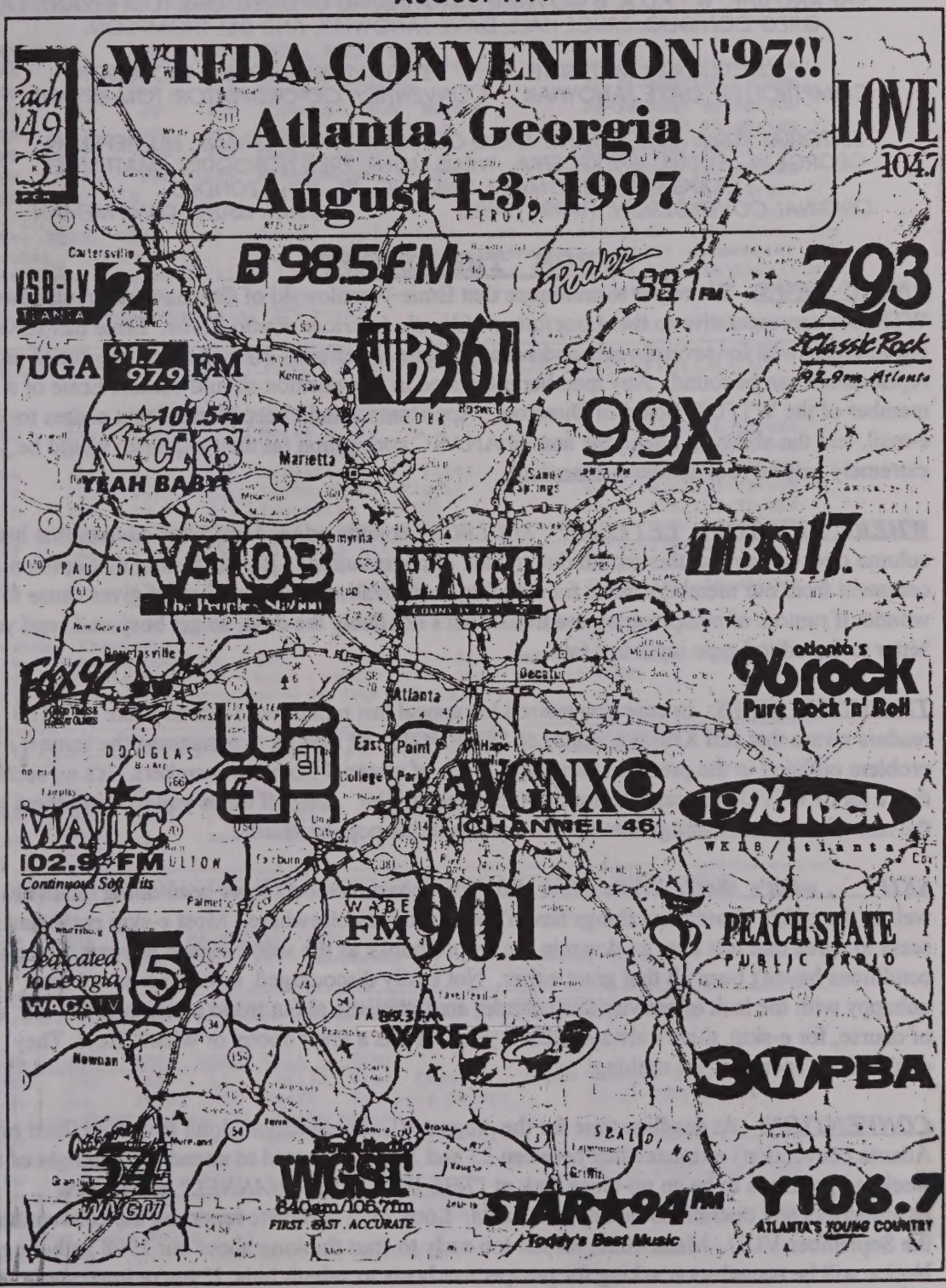
Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

AUGUST 1997



WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

CIRCULATION: MATT SITTEL *EDITOR/PUBLISHER :* BILL THOMPSON
COMPTROLLER: DAVE JANOWIAK *CONVENTION CO-ORDINATOR:* TOM BRYANT

EDITORIAL STAFF: TOM BRYANT, GREG CONIGLIO, VICTOR FRANK, BILL HEPBURN, GEORGE W. JENSEN, JEFF KRUSZKA, WILLIS MONK, FRED NORDQUIST, MATT SITTEL, DOUG SMITH, THOMAS J. YINGLING, JR., JOHN ZONDLO
ORIGINAL COVER DESIGN: HARRY HAYES *BACK ISSUES:* DAVE NIEMAN

FROM THE STAFF:

ANARC NEWS: We regret to announce that Ernie Wesolowski of Omaha is stepping down as WTFDA's representative to the *Association of North American Radio Clubs*. Ernie has served our interests well for several years and we appreciate his efforts. He will retain the duties until a replacement can be found. Any member interested in this position should contact Ernie or a member of the WTFDA Board of Directors. Applicants should keep in mind that access to e-mail, and the ability to attend the annual ANARC convention (at their expense) would be extremely helpful (but neither is essential).

WHERE ARE YOUR LETTERS? *"MAILBOX"* column editor Matt Sittel advises that his column does not appear this month due to lack of contributions. It's our feeling that opinion and comment from our members make for a healthy organization; and lack thereof gives cause to wonder if rumors of complacency are true. That's not likely the case, so get busy and send your 'letter to the editor'-type input to Matt.

TV PHOTO NEWS: In case you missed his appeal last month we'd like to make all VUD readers aware that Jeff Kruszka, editor of *"TV PHOTO NEWS"*, is experiencing the same problem outlined in the previous paragraph...lack of material from our members. It's no secret that a lot of WTFDAers capture their DX catches on film...and Jeff urges you to share them with the rest of us by submitting them for publication in his popular feature.

SKIP?... what's that?: While a few of our east coast members have been doing relatively well in the e-skip department things haven't been too rosy elsewhere. Most e-skip enthusiasts seem to agree that this may go down in the record books as the worst season in years. Tropo conditions haven't been all that great either. Not easily discouraged, most who have been unhappy with the lack of activity this summer are optimistic about tropo conditions this fall; and of course, for e-skip, there's always NEXT year! Is this a great hobby or what? Hey! They don't call it "sporadic" for nothing!

CONVENTION: At deadline time for the August VUD publication, John Broomall (host of our Atlanta convention) estimates that between 25 and 30 are expected to attend. A highlight of the weekend promises to be an up-close look at *"THE WEATHER CHANNEL"* and it's new headquarters and operations facility in Atlanta. Look for a complete report on the convention in the September VUD. Meanwhile, it's not too early to start thinking about our 1998 gathering. Notice will be issued soon asking for prospective hosts to submit bids. If you're interested, please give the task some serious thought and work up a proposal.

TV NEWS

August 1997

Douglas E. Smith W9WI
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098
72777.3143@compuserve.com

*: Non-commercial station
nc: No Change
+/-: Channel offsets (plus,
z/n: minus, zero, and none)
^: Digital TV station

APPLICATIONS FOR NEW STATIONS

St	Ch	ERP	HAAT	City; applicant	
AK	45^	12		Anchorage; Goldbelt Inc.	61-20-10N/149-30-43W
CO	**19^**	**860**	**403**	**Denver; KTVD-20**	**39-43-48N/105-14-05W**
FL	***11^***	***45***	***476***	***Daytona Beach; WESH-2***	***28-34-52N/ 81-04-30W***
IA	**31^**	**1000**	**566**	**Des Moines; KCCI-8**	**41-48-35N/ 93-37-16W**
NE	**20^**	**1000**	**373**	**Omaha; KETV-7**	**41-18-32N/ 96-01-37W**
NM	**21^**	**280**	**1264**	**Albuquerque; KOAT-7**	**35-12-53N/106-27-01W**
OH	**11^**	**5**	**?**	**Columbus; WBNS-10**	**39-58-16N/ 83-01-40W**

The WGBH, WBNS, and Goldbelt applications are experimental. However, the other five are not. Yes, the first applications for regular commercial DTV stations have been filed. WESH's application is in italics because theirs was the first filed; WESH will go down in history as the first station to apply for a regular commercial DTV permit.

CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

St	Ch	ERP	HAAT	City; applicant	
BC	25n	0.02		Horse Creek	51-12-55N/116-53-06W
BC	28n	0.02		Horse Creek	51-12-55N/116-53-06W
GA	18-	3.11	215	Augusta; T. J. Piper	33-29-07N/ 82-12-07W
ID	20n	10.3	?	Idaho Falls (K20FL)	43-32-32N/111-53-05W
ID	24n	10.2	?	Pocatello (K24EV)	42-51-58N/112-30-48W
MO	55+	1.16	372	Joplin (K55HU)	37-04-23N/ 94-32-54W
MT	53n	10	2441	Missoula (K53FS)	47-02-27N/113-59-10W
SC	31+	24	297	Columbia (W31BS)	33-46-52N/ 80-55-14W
TX	48n	11.2	?	Abilene (K48FT)	32-26-38N/ 99-44-04W

A wireless-cable system has been granted for Hobbema, Alberta, all stations 20 watts. Channels:
19n - SuperChannel 21n - TSN 25n - TNN 27n - WXYZ-7 (ABC)
29n - WTVS-56 (PBS) 33n - WDIV-4 (NBC) 35n - WTOL-11 (CBS)
43n - local native programming in Cree & English

APPLICATIONS TO CHANGE EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	
CT	**30+**	**5010**	**nc**	**WVIT**	**New Britain**	
LA	**33z**	**nc**	**nc**	**KMSS-TV**	**Shreveport**	**32-39-58N/ 93-55-59W**

APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	
BC	**32z**	**710**	**nc**	**CIVT**	**Vancouver**	**(from channel 42)**

CHANGES GRANTED TO EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	
BC	14n	nc	nc	CH4112	Black Creek	(from channel 67n)
CA	44-	18.9	784	K44FD	San Luis Obispo	35-21-38N/120-39-21W
(from K25DX channel 25, Santa Maria)						
CA	18+	3.71	1304	K18FH	Twentynine Palms	34-04-32N/115-57-18W
(from K12MG channel 12, Joshua Tree)						
CO	38z	23.1	1769	K38FG	Denver	39-50-47N/105-01-50W
(from K11NO channel 11, N. and S. Pinewood)						
CO	17-	17.4	2179	K17EN	Fort Collins	40-32-56N/105-11-47W
(from K54CQ channel 54)						
FL	18z	28.3	180	WSVT-LP	Bradenton	27-32-42W/ 82-34-28W
(from channel 14)						

CHANGES GRANTED TO EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	
GA	26-	25.3	629	W26BT	Marietta	34-04-02N/ 84-27-22W
(from W56CD channel 56, Rome)						
IL	22-	1.5	297	W22AJ	Arlington Heights	42-08-10N/ 87-58-55W
(WYLL-106.7 tower; from Waukegan)						
NV	25n	0.969	2258	K25FR	Elko	40-42-00N/115-54-09W
(from K10JS, channel 10; KTVN-2 translator)						
NY	40z	10.0	nc	W40BJ	De Witt	43-00-25N/ 76-05-38W
(from W07CA channel 7, Cazenovia)						
NY	35z	10	nc	WNYX-LP	Mineola (from ch. 44)	
NY	26-	12.4	366	WNGN-LP	Troy	42-47-08N/ 73-37-45W
(from Hoosick Falls)						
OH	55+	14.2	394	WWRD-LP	Dayton (from Centerville)	
OH	62-	3.59	371	W62BT	Masury	41-05-10N/ 80-41-32W
(from plus offset)						
OH	52-	18.7	408	W52CX	Youngstown	41-11-05N/ 80-41-31W
(from W39AI channel 39)						
OR	26-	0.16	1847	K26FE	La Grande	45-26-15N/118-05-10W
(from K54BX, channel 54)						
PA	18z	6.38	744	W18BN	Scranton	41-35-35N/ 75-25-55W
(from Honesdale)						
PR	28+	10	nc	W28BA	Isabel Sounds (from Isabel Segunda)	
SD	**5+**	**nc**	**313**	**KDLT**	**Mitchell**	**43-45-28N/ 98-24-39W**
UT	26n	1.48	nc	K26FD	Heber City	40-33-45N/111-28-30W
(from K06HY, channel 6; KSL-5 translator)						
UT	57n	1.96	2096	K57HK	Mount Pleasant (from K56BA, channel 56)	
VT	14+	11.6	1199	W14CK	Newport	42-55-27N/ 72-31-34W
(from W58CG, channel 58)						
WY	19z	1.4	2651	K19CP	Mountain View	47-06-24N/110-12-29W
(from Evanston; KJZZ-14 translator)						

CHANGES GRANTED TO CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	
AL	69z	19.3	nc	WJJN-LP	Dothan	(from minus offset)
BC	**32z**	**nc**	**nc**	**CIVT**	**Vancouver**	**(from channel 42)**
CA	**68z**	**nc**	**402**	**KWOK**	**Novato**	**38-09-00N/122-35-31W**
CA	10-	0.21	1738	K10OC	Visalia	36-17-08N/118-50-17W
(from Reedley)						
IA	42z	2.32	508	K42EN	Davenport	41-32-49N/ 90-28-35W
(from K45ES, channel 45)						
IN	36-	23.4	305	W36CG	Evansville	38-03-53N/ 87-41-26W
(from W48CB, channel 48)						
MD	41+	6.37	213	W41CE	Hagerstown	39-36-41N/ 77-46-53W
(from W48AR, channel 48)						
TX	35z	14.9	101	K35EU	Corpus Christi	27-45-09N/ 97-27-18W
(from K33ES channel 33, Alice)						
TX	31z	33.94	289	K31FA	Hillsboro	32-02-54N/ 97-01-14W
(from K62CY, channel 62, Waco; displaced by KAKW-62)						
VT	52-	46.1	402	W52CD	St. Albans	44-47-00N/ 73-03-49W
(from Burlington)						

The application of K65GD Amarillo, TX to change power output and tower height was returned.

TECHNICAL CHANGES ON THE AIR

CA	**57+**	**KSTV-TV**	**Ventura**	**(unknown)**
CO	**6-**	**KRMA**	**Denver**	**(minor tower height increase)**
LA	62z	KLAF-LP	Opelousas	(move from Lafayette, 57km SE; minor power decrease and tower height increase)
MI	**45-**	**WGKU**	**Vanderbilt**	**(major power increase)**
MN	33z	K33ET	Aitkin	(from K70DH channel 70; move 1km northwest and major power increase)
NC	24z	W24CI	Boone	(from W50BH, Jefferson)
NM	17n	K17EM	Roswell	(move from K15CV channel 15)
OR	50+	K50FD	Baker City	(from channel 51)
PR	**5-**	**WORA**	**Mayaguez**	**(go to circular polarization)**
UT	44n	K44EA	Fillmore	(minor power decrease; move 35km south)
WI	**48z**	**WEUX**	**Chippewa Falls**	**(major power increase; move 10km WNW)**
WI	**55-**	**WHKE**	**Kenosha**	**(major power increase; minor tower height increase; move 29km north-northwest)**

NEW STATIONS ON THE AIR

Call:	Ch:	Location:	Power & HAAT:	Coordinates:
W19CB	19+	Montevallo, AL	12.6KW/215m	33-09-14N/ 86-50-12W
K11UC	11n	Carrizo, AZ	7W/1594m	33-59-45N/110-16-38W
	also K13XB & K09WV (not in FCC DB), K02PE (6W), K07WL			
K02PA	2?	Cedar Creek, AZ	not in FCC DB (also K07WI, K09WU, K11UA, K13XB)	
K02PF	2+	Cibique, AZ	1W/1640m	34-02-54N/110-29-37W
	also K07WK (3W), K09WW (not in DB), K11UB (3W), K13XE (not in FCC DB)			
KVYE	**7+**	**El Centro, CA**	**316KW/389m**	**33-03-06N/114-49-41W**
K43FA	43+	Santa Barbara, CA	10KW/659m	34-27-55N/119-40-38W
K25DV	25-	Santa Rosa, CA	640W/1219m	38-39-23N/122-36-54W
W62CE	62-	Orlando, FL	7.15KW/127m	28-21-31N/ 81-30-45W
KTVC	**48-**	**Cedar Rapids, IA**	**2950KW/323m**	**42-17-17N/ 91-52-54W**
K18EE	18n	Hailey, ID	2.51KW/2647m	43-38-36N/114-23-49W
K07WJ	7?	Colstrip, MT	not in FCC DB.	
W53BF	53-	Rocky Mount, NC	8.1KW/132m	35-54-43N/ 77-50-06W
KLKE	**24+**	**Albion, NE**	**2570KW/378m**	**41-56-26N/ 98-16-56W**
K26EP	26-	Dulce/Lumberton, NM	202W/2750m	36-59-00N/106-58-11W
K30EK	30z	Dulce/Lumberton, NM	269W/2746m	36-59-00N/106-58-11W
KENV	**10-**	**Elko, NV**	**3.09KW/564m**	**40-41-53N/115-54-13W**
W06BT	6+	Greece, NY	29W/177m	43-11-14N/ 77-42-09W
K51EY	51n	London Springs, OR	12W/362m	43-38-10N/123-05-34W
	(also K53FJ, K55HE, K57GW, and K59FS, all no offset & same facilities)			
WABA	32?	Pittsburgh, PA	(nothing in FCC DB)	
W35AZ	35z	Pittsburgh, PA	5.68KW/457m	40-26-46N/ 79-57-51W
W59BT	59+	Pittsburgh, PA	8.16KW/457m	40-26-46N/ 79-57-51W
W61CC	61-	Pittsburgh, PA	5.7KW/457m	40-26-46N/ 79-57-51W
WIDP	**46z**	**Guayama, PR**	**1510KW/642m**	**18-16-48N/ 65-51-08W**
K63FL	63n	Abilene/Sweetwater, TX	16KW/868m	32-24-18N/100-08-17W
K65GD	65n	Amarillo, TX	44.5KW/1212m	35-20-33N/101-49-21W
K35EK	35n	Sweetwater, TX	7.03KW/887m	32-25-51N/100-16-51W

Chris Cuomo is seeing WABA-LP on channel 32 in Pittsburgh, with The Box. All I can find for a channel 32 there is a CP for WBPA-LP 29 to move to channel 32 -- but WBPA is still operating on 29.

STATIONS DELETED/DISMISSED/ETC.

K06MV Nenana, AK
W38BU Moody, AL
K08MG Taft, CA
K16DP, K36EI, K56FU Cedar Rapids, IA
K28EJ Conway Springs, KS
K24EO, K26EV Rayville, LA
W18BR Sault Ste. Marie, MI
W22BU, W42BZ, W50BX, W66CL Bangor, ME
K29DJ Cook, MN
W27BV, W42CF, W55CK, W69DQ Lewiston, ME
W60CH Tunica, MS
K29DO Bozeman, MT
W42CE Burgaw, NC
W23BK, W38CD Massena, NY
W41BY, W63CJ Watertown, NY
K28EW Grants Pass, OR
K36EG Pickstown, SD
W33BQ Jackson, TN
K16EC McCamey, TX
K13JQ, K65GN Wichita Falls, TX
W49BT, W55CM Lynchburg, VA
K17CP Grays River/Knappa, WA (maybe not; transfer of license also approved)
K03HE, K05KA, K13XI Leavenworth, WA
K05KJ Oroville, WA
K54ES Usk, WA
W17BW, W21BO, W28BW, W66CU Eagle River, WI
W53BJ Charleston, WV
K17DY Afton/Thayne, WY
K50EN Casper, WY

CALL CHANGES

Was:	Location:	Now:
KADE-33	**S.Luis Obispo, CA**	**KTAS-33**
K58DQ	Coeur d'Alene, ID	KTYJ-LP
K20EB	Ketchum, ID	KSVT-LP
new-36	**Hutchinson, KS**	**KAWJ-36**
WLKY-32	**Louisville, KY**	**WLKY-TV**
K55HB	Natchitoches, LA	KAIN-LP
WJUE-43	**Battle Creek, MI**	**WILV-43**
W49BV	Indiana, PA	WLLS-LP
K05AI	Huntsville, TX	KHXL-LP
K31AI	Huntsville, TX	KHTX-LP
K10NT	Longview, TX	KLGV-LP
K05HX	Lufkin, TX	KLUF-LP
K11SI	Lufkin, TX	KIBN-LP
K13WC	Lufkin, TX	KHTM-LP

PROGRAMMING CHANGES

CH4281-36; CH4285-45; CH4288-58 from TNN, MuchMusic, and CITV-13
Bear Lake, BC: to CBC North, Family Channel, and CHAN-8.
CH2914-26; CH2915-28; CH4110-32; CH4112-14
Black Creek, BC: from KOMO-4, Knowledge, SuperChannel, and KIRO-7 to Knowledge, KOMO-4, KIRO-7, and SuperChannel
CH??-25, 28 Horse Creek, BC: new, CITV-13 and Knowledge Network

PROGRAMMING CHANGES

CH4420-8; CH4421-9; CH4423-11	Seton Portage, BC:	from SuperChannel, WDIV-4, and TSN to Discovery, KING-5, and ??
KUZZ-45+	**Bakersfield, CA:**	**sold to Univision**
K31DN-31+	California City, CA:	to Kaleidoscope
K25DV-25-	Santa Rosa, CA:	to relay KDTV-14 (Univision)
W65CX-65+	Elizabethtown, KY:	belongs to religious WJCR-FM 90.1
K22CQ-22+	Monroe, LA:	sold to KMCT-39; to go religious?
KMCT-39+	**Monroe, LA:**	**owners bought a LPTV; will KMCT change programming?**
K02NQ-2+	Columbia, MO:	to relay KMIZ-17?
K11TB-11z	Jefferson City, MO:	to relay KMIZ-17?
K35CT-35n	Kansas City, MO:	to ValueVision
W53BF-53-	Rocky Mount, NC:	new, TBN
KLKE-24+	**Albion, NE:**	**new, satellite of KLKN-8 (ABC)**
KHAS-5-	**Hastings, NE:**	**sold to KNOP-2; to be satellite of KNOP?**
K26EP-26-	Dulce/Lumberton, NM:	new, KRQE-13 (CBS) translator
K28ER-28+	Dulce/Lumberton, NM:	new, KOB-4 (NBC) translator
K30EK-30z	Dulce/Lumberton, NM:	new, KOB-4 (NBC) translator?
K39EJ-39n	Espanola, NM:	new, KASA-2 (Fox) translator
WPCB-TV 40+	**Greensburg, PA:**	**sold to Paxson; to be INtv**
WQEX 16z	**Pittsburgh, PA:**	**sold to Cornerstone; to be religious**
K21EN-21+	Yankton, SD:	new, KTTW-17 (Fox) translator
KLDT-55z	**Lake Dallas, TX:**	**to PSN (Pandamerica Shopping Network)**
K69AP-69n	Morgan, UT:	sold to KUED-7 (PBS).
K22DE-22n	Tooele, UT:	from KUED-7 to KSTU-13 (Fox) xltr.
W30BG-30+	Bridgewater, VA:	new, WVIR-29 (NBC) translator

OTHER STUFF

Thanks as always to various members for the information above! Ed Phelps in Kentucky noted the call change on WILV-43; I've yet to see anything official come through on this one, but the FCC is about two weeks behind in releasing call-letter data.

I've decided to report "RCAMSL" figures for LPTVs. This stands for "Radiation Center (of the transmitting antenna) Above Mean Sea Level". If you see a LPTV application/permit in your area, and know how far above sea level your city is, you can estimate the tower height of the LPTV. (also, many road atlases show the elevations of major cities) The FCC does not collect HAAT ("Height Above Average Terrain", the measurement they use for full-power stations) figures for LPTVs.

Speaking of LPTVs, again I've had to leave some information out due to lack of space. I'm listing new stations, stations changing channel or city of license, and programming information. You will continue to see complete information on all full-license stations.

Global Broadcasting Company has filed an application for a "developmental broadcast station" for event broadcasting. (sporting events, concerts, etc.) The call letters KF2XBF have already been assigned. If granted, this station would be allowed to operate from anywhere in the USA with 10 watts on any available VHF channel. (UHF operation was not requested) They've also asked for 40 watts on the AM broadcast band, and 10 watts on FM. This would be similar to the temporary stations frequently authorized in Canada - except the Canadians haven't tried this with TV.

The FCC was to release plans for the reallocation of channels 60-69 in mid July. Four of the channels will be used for public safety services such as ambulance, police, and fire radio; the rest will be auctioned for commercial use. The possibility remains that successful commercial bidders will use these channels for new TV stations.

Another Washington action, in the House Commerce Committee, would relax the 2006 deadline for DTV conversion and allow stations to keep their analog channels until 95% of their viewers have DTV receivers or converters. Another provision would allow a company to own a UHF station in the same market as another co-owned station, if they got the channel for the second station by bidding on returned analog channels. This act is not a done deal though; there is some opposition.

Here in Nashville, WZTV-17 has launched a local newscast at 9:00. I'm told it's produced by WKRN-2.

FORUM

Keith Smith, Flat Rock MI:

Besides his DTV questions, Keith also has some information on TV programming in southwest Ontario. Referring to CFPL-10 and CHWI-16, he says they're "pretty much parallel, except for their local newscasts". On Global, while CIII's channel 22 at Stevenson and channel 29 at Oil Springs go to a

network ID slide at signoff, Keith has seen their primary transmitter (channel 6 at Paris) with color bars with the word "GLOBAL" inserted in the lower right.

During the June 27 tropo, Keith also saw WMFD-68 Mansfield, Ohio with over 2 hours of local news! This station airs some kind of home shopping overnight, but Keith doesn't know which one.

John Lentz, Muskego WI:

John reports the power increase for WHKE-55; "Snowfree and very clear that you need to take your glasses OFF to see anything!" On a trip to Illinois down I-94, he noted what appeared to be a TV tower right next to the WEZY-92.1 tower. "However it is not very tall, it's actually the same height as WEZY's tower." WHKE's construction permit is indeed for a site very close (less than 1km) to WEZY-FM's tower, and actually 6 meters (about 20') shorter than WEZY's tower. Still, it sounds like this one should put a pretty good signal into metropolitan Milwaukee..

Also in the Milwaukee area, John says he still hasn't seen any sign of WWRS-52. Nor has he seen any listings for this station in the local newspaper.

Jeff Kadet, Macomb IL:

Jeff received an email from Fred Cantu (an anchor at an Austin, Texas TV station, and an authority on Mexican broadcasting) noting that TV Azteca now has a generally accessible Web site. Try www.tvazteca.com.mx. Click on the state you're interested in for a list of Azteca transmitters in that state. Unfortunately there's no easy way to get a complete list - but thanks to Fernando Garcia's detective work, there was one in the *VUD* a few months ago.

Fred McCormack, St. Paul MN:

"I continue to see little DX, but am now seeing WEUX-48 fairly often during the morning and evening tropo enhancements. This leads me to believe that their CP for a facility change is now operating. I never saw it in its first four years even during the best openings." Sounds like they got their CP operating. Fred is surprised he doesn't get it more often than he does.

Fred is also looking for advice on a UHF preamp that can handle multiple high-power UHFs at 11 miles. I use a CM-7475 which worked pretty well on Madison's East Side, about 8 miles from four UHFs, but at the time none were using more than 1000KW ERP. I'm sure other suggestions would be appreciated!

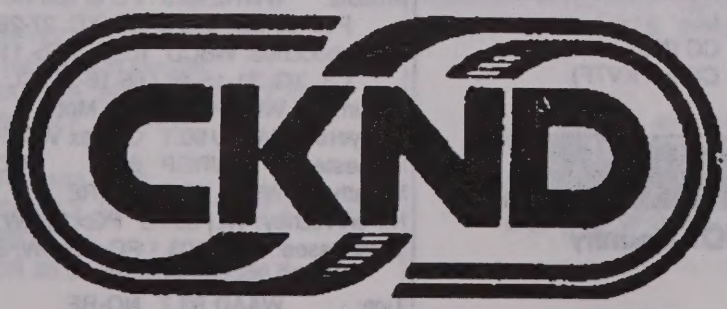
KVYE-7 El Centro is reported in the *TV Factbook Addenda* as having signed on the first of 1997. It is in fact Univision, as reported in the *VUD*.

As for W18BB Elizabeth City, NC, Fred speculates "I wonder if W18BB didn't just 'fall' out of the FCC database? ... it seems that the database often contains a comment, such as cancelled, prior to the record actually being removed. In the case of W18BB, it was in the database up to 03/20/97 with no comment and was gone on 03/27/97 and has not returned." Agreed, I think Fred is right about this one. The "deleted CPs" you see in this column generally remain in the database for quite awhile, with the comment "CP cancelled", before the FCC actually removes them. I find it especially interesting that another LPTV has appeared in Elizabeth City, with the same licensee, on channel 46. (W46BV) I suspect W18BB applied to move to channel 46, and the FCC not only approved the move but prematurely deleted their old facility.

DX ETC.

What's DX?? Geez, it's been the summer from he*(... We did have one nice tropo opening, for the first time ever I had Dallas and Houston at the same time, but there wasn't much new out there. Skip has been nearly totally non-existant. Oh well, we are approaching the prime tropo season...

73 Doug



FM NEWS

AUGUST 1997

editor- GREG CONIGLIO
90 SLATE CREEK DRIVE - APT. 3
CHEEKTOWAGA, NEW YORK 14227
E-MAIL coniglio@localnet.com
TIP DEADLINE - The 10th

Many of the items listed in this column are taken from the publication:
M Street Journal - P.O. Box 1479 - Madison, TN 37116-1479
PHONE (615) 865-1525 FAX (615) 865-2598

KEY:

&: satellite programming
AF: new freq. allocation **accepted** for **filing** for a new FM license
AFA: American Family Association
CC: **call change**/new calls assigned
CL: **city** of **license** change granted
CO: new xmtr **co**-ordinates
CX: a **CP** has expired, and is cancelled
C1,C2, etc: change in class status
DA: **directional antenna**
DE: calls **deleted**, license returned to FCC
FC: station **format change**
GA: **granted amendment** to table of FM allocations
GE: station was **granted extension** of a CP
GX: **granted** replacement of expired CP
LC: filed for license to cover (for new stn.)
MC: **multiple-city** legal ID
NC: **no change** yet, on a reported pending grant/change.
ND: non-directional
NO: station is **not on** the air
NS: a **new station** granted a license
OSA: one-step application
NW: **new** station signs on the air
PA: **proposed amendment** to change table of allocations
PC>: a **power change** (increase)
PC<: a power change (decrease)
PG>: **power** change **granted** (increase)
PG<: **power** change **granted** (decrease)
QC: frequency **change** for this station
QG: frequency change **granted**
RA: station **returns** to the **air**
RE: station **requests extension** of a CP
RX: station **requests** re-instatement of an expired CP
SG: **slogan** change or update
SI: station is **silent**
XA: disimssed amendment to the table of FM allocations
XC: station changes xmtr site
XG: station granted a transmitter (xmtr) site change

UNITED STATES

ALABAMA:

Auburn: WKKR 97.7 PG> 3.1 kW, 453 ft, XG: 32-33-54 / 85-22-13
Birmingham: WZRR99.5 NC to 100 kW (cir), 1014 ft. class C, XC: 33-27-45 / 86-50-09
Brantley: WAOQ100.3 NO-GX
Butler: WKZB 93.5 CC (ex WQGL)
Chathom: WFOW 106.1 GA: to CL: Grove Hill, AL
Demopolis: WZNJ106.5 PG> 25 kW
Eufala: WULA 92.7 FC to CHR
Lisman: WPRN107.7 6 kW, 328 ft. CC (NS)
Opelika: WMXA 96.7 PG> 3.5 kW, 430 ft, XG: 32-33-54 / 85-22-13

ALASKA:

Anchorage: KFAT 92.9 PG< 26 kW, -226 ft, C2 XG: 61-08-13 / 149-50-06
Chevak: KCUK 88.1 NC to 6 kW (h), 79', GX
Houston: KQEZ 92.1 CC (ex KCYT), NW, soft AC "Easy 92.1" (Anchorage)
Juneau: KAMT100.7 NO-GE
Juneau: KAKZ 102.7 NO-GE
Valdez: *** 93.3 GA: add class A

ARIZONA:

Chandler: K276EB103.1 NS-3w: KLVA 105.5
Douglas: KRMC 91.7 LC
Payson: KESP 101.1 CC (NS)
Williams: KWMX 96.7 CC (ex KVTF)

98 KNAX
Today's HOT Country

ARKANSAS:

Lowell: KKZQ101.9 FC to hot AC "Mix 101.9"
Nashville: *** 96.9 GA: add class A

CALIFORNIA:

Fresno: KNAX 97.9 PG> 10.5 kW, 1075 ft, XG: 36-55-48 / 119-38-27
Joshua Tree: KKJT92.1 RA with modern AC (&)
Lompoc: KAOH104.9 NO-GE
Mendocino: KAKX 89.3 NO-GE
Morro Bay: KAGR 94.1 NO-GE
Oakhurst: KAAT 103.1 PC > 25 kW, 125 ft, B1 XC: 37-28-24 / 119-37-56
Oxnard: KDAR 98.3 PC> 1.5 kW, 1289ft, B1 XC: 34-20-55 / 119-19-57
Riverside: KELT 92.7 CC (ex KXEZ)
Sacramento: KEDR88.1 LC
San Francisco: KOYT 95.7 CC (ex KPIX)
San Luis Obispo: KOTR1 94.9 NS-420w (v), DA
Shingle Sps: KSSJ101.9 PC> 47 kW, 505 ft, DA class B, XC: 38-51-12 / 120-56-23
Soledad: K236AJ 95.1 NS-10w: KLVM 89.7
Thousand Oaks: KMLT 92.7 CC (ex KNJO)

COLORADO:

Glenwood Sps: *** 95.5 GA: add class A

CONNECTICUT:

Danbury: WXCI 91.7 NC to 3 kW, 220 ft, DA XC: 41-23-42 / 73-29-14

FLORIDA:

Arcadia: WWRZ98.3 FC to soft AC (Lakeland) PC> 50 kW, 459 ft, C2, XC: 27-28-47 / 81-47-58
Chattahoochee: WBCD 105.3 PG> 11.5 kW, 485 ft, C3, XG: 31-15-48 / 85-18-24, CL: Headland, AL
Destin: WMMK92.1 ads Moby
Ft.Myers: WGCU 90.1 CC (ex WSFP)
Homestead: WRGP 88.1 NO-GE
Marathon: WKTS 97.7 NO-RE
N.Port Richey: WLPJ91.5 PG> 22 kW, 230 ft, DA, C3
Tallahassee: WAIB103.1 PC< 42 kW, 541 ft, XC: 30-29-39 / 84-14-00
Tice: WAAD 93.7 NO-RE

GEORGIA:

Cedartown: WJCK 88.3 PG< 2.7 kW (v), 1000 ft. DA, class C3, XG: 33-50-17 / 85-43-57 CL: Piedmont, AL
Douglas: WKZZ 92.5 NO-GE
Jesup: WIFO 105.5 OSA to C3, 25 kW, 308 ft.

IDAHO:

Franklin: *** 97.7 GA: add class A
Mountain Home: KTPZ 99.1 OSA to class C, 80 kW 2191 ft, XG: 43-14-43 / 115-26-12
Victor: *** 104.3 GA: add class A
Victor: *** 92.9 GA: add class A

ILLINOIS:

Arlington Hts: WCBR92.7FC, adds brokered talk in the evening, and dance-CHR Friday 7pm - Sunday 7 pm (Chicago)
Lansing: WYBA106.3 CC (ex WEJM)
Oregon: WOXM106.1 NO-RE
Rockford: WFEN 88.3 PG> 8.5 kW (v), 1 kW (h) 574 ft, DA, class B
Wilmington: WYKT105.5 PC< 1.3 kW, 482 ft. XC: 41-17-11 / 88-14-23

INDIANA:

Anderson: WQME 98.7 PC< 4.5 kW, 384 ft XC: 39-58-59 / 85-42-41
Hagerstown: WBSH91.1 NO-GE
Kentland: *NS 101.7 6 kW, 328 ft.
Nashville: WVNI 95.1 NO-RE
Richmond: WFMG101.3 NC to 44 kW, 528 ft XC: 39-49-41 / 84-55-57

IOWA:

Ames: KCCQ107.1 QG to 105.1 - C3, 25 kW 328', XG: 42-04-38 / 93-38-54
Estherville: KILR 95.9 NC to 10 kW, 325', GE
St.Ansgar: *NS 95.5 1 kW, 26 ft.

KANSAS:

Dodge City: KONQ91.9 NC to 223 ft, XC, GE
El Dorado: *NS 88.1 400w, 92 ft.
Fredonia: KGGF104.1 NO-RE

KENTUCKY:

Garrison: WNUU 98.3 NO-GE
Harrodsburg: WHBN99.3 OSA to C3, 7 kW, 617 ft, DA XG: 37-47-18 / 84-40-49
Hawesville: WXCM 97.1 QC from 105.7, PC> 5 kW

LOUISIANA:

Baker: WTGE107.3 CC (ex WGGZ), FC to modern rock (Baton Rouge)
Clayton: KFGA107.9 NO-RE (2nd), CC (NS)
Many: KAVK 89.7 CC (NS)

MAINE:

Dennysville: WHRR102.9 LC
Old Town: WBZN107.3 FC to CHR "Z107.3" (Bangor)

MASSACHUSETTS:

Amherst: WFCR 88.5 PC< 13 kW, 968 ft.

MICHIGAN:

Detroit: WKRK 97.1 CC (ex WYST), "K-Rock"
Lake City: WNHB104.9 NO-RX
L'Anse: WCUP106.1 QG to 105.7 - C1, PG> 51 kW, 856', XG: 46-39-50 / 88-23-06
Leroy Twp: WLGH 88.1 NW, TWN cont. Christian (&)
Stephenson: WFON106.3 NO-RE
Tawas City: WQLB 103.3 NO-RE
Tuscola: WWBN101.5 QC from 101.7
Walker: WQFN100.5 XG: 43-00-59 / 85-44-24 decrease to 302 ft.

MISSISSIPPI:

Grenada: WQXB100.1 NC to 24.5 kW, 708', DA C2, XC: 33-41-24 / 89-55-53
Laurel: WMXI 98.1 reported SI

MISSOURI:

Houston: KUNQ 99.3 reported SI
Kennett: KAUF 89.9 NW, AFA cont. Christian (&)
Lexington: KISF 107.3 SG "The X" (Kansas City)sx
Potosi: KHCR 97.7 NW, cont. Christian "Hit Christian Radio 97.7 KHCR"
Warsaw: KAYQ 97.7 FC to classic cntry (&)
Wheeling: *NS 105.9 6 kW, 213 ft.

MONTANA:

Conrad: KEIN 93.7 100 kW, 558 ft., CC (NS)
Helena: K212ER90.3 NS-5w: KLVC 88.3 CA
Kennett: KAUF 89.9 LC

NEBRASKA:

McCook: KSWN 94.1 CC (NS)

NEW HAMPSHIRE:

Rochester: WSRI 96.7 adds Jones adult alter. (&)

NEW JERSEY:

Atlantic City: WAJM88.9 NW, variety
Atlantic City: WMGM 103.7 XG: 39-23-24 / 74-30-45
Toms River: W264AM 100.7 NS-55w: WJRZ 100.1
Tuckerton: WTUC 99.7 NO-GE

NEW MEXICO:

Almogordo: *** 107.9 GA: add class A
Los Alamos: KABG98.5 PC> 100 kW, 1906 ft, XC: 35-46-49 / 106-31-37, CC (ex KTMN) FC to oldies "Big Oldies" (Albuquerque)
Santa Fe: KNYN 95.5 PC< 19 kW, 1791 ft. XC: 35-46-49 / 106-31-37

NEW YORK:

Brockport: WASB105.5 NO-GX, NO-RE
Hornell: *NS 88.7 4.5 kW, 495', DA (WSKG)
Jamestown: WHUG101.9QC from 101.7, PC> 6 kW 328 ft, XC: 42-07-53 / 79-13-13
Malone: WVNV 96.5 adds ABC country (&)
Rochester: WIRQ104.7 QC from 94.3
Saugerties: *NS 92.9 6 kW, 328 ft.

NORTH CAROLINA:

Franklin: WRFR 96.7 adds Jones AC (&)
Hope Mills: WCCG104.5 NW, classical, but with a new format to follow shortly (Fayetteville)
Old Fort: WMXF104.3 PG> 6 kW, 171 ft., DA XG: 35-37-44 / 82-20-46
Raleigh: *NS 102.9 PG to 1.7 kW, 620 ft. XG: 35-47-38 / 78-45-41
Roanoke Rapids: WZRU 88.5 PC< 26 kW (cir), 413' DA, XC: 36-27-38 / 77-33-52
Rocky Mt: WRQM90.9 FC, drops jazz for just news and classical

NORTH DAKOTA:

Dickinson: KRRB 92.1 NC to 10.5 kW, 492 ft, C3 XC: 46-56-09 / 102-43-55
Hettinger: *NS 93.5 100 kW, 699 ft.

OHIO:

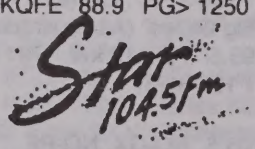
Canton: WHK 98.1 CC (ex WHOK), FC to religion // WHK 1420 Cleveland
Cincinnati: WEBN102.7 PG< 16 kW, 866 ft, XG: 39-06-59 / 84-30-07
Columbus: WJZA107.5 FC to urban AC
Columbus: WUFM 88.7 PC> 5 kW, class B
Delaware: WLYR107.9 PG< 2.6 kW, 505 ft, XG: 40-14-43 / 82-55-48
Lima: WAJC104.9 CC (ex WLJM), FC to ABC AC (&)
Marion: WOSB 91.1 CC (NS)

OKLAHOMA:

Dickson: *** 103.5 GA: add class C3
Nowata: KRIG 104.9 OSA to 15 kW, 423 ft, DA class C3
Okmulgee: KCFM 94.1 PC> 100 kW, 807 ft, C1
Sumner: K216DK 91.1 NS-70w: KLVC 88.3 CA

OREGON:

Lakeview: KQIK 93.5 NC to 12 kW, C2, GX
Milton-Freewater: KLKY 97.9 FC to classic rock "The Hawk"
Portland: KUPL 98.5 GA: to 98.7 - C1
Reedsport: KRBZ 99.5 PG> 11 kW, 400 ft, C3
Seaside: KULU 98.9 NO-GE, GA: to 102.3 - A
Springfield: KQFE 88.9 PG> 1250 watts



PENNSYLVANIA:

Johnstown: WQEJ 89.7 CC (ex WATP)
Masontown: *NS 88.5 16 kW (v), 328 ft.
Philadelphia: WYXR104.5 FC to hot AC
Reynoldsville: WDSN 106.5 QC from 99.5, PC> 6 kW
St.Mary's: WPKK 97.5 CC (ex WKVE) "The Peak"
Williamsport: WPTC88.1 CC (ex WWAS)

SOUTH CAROLINA:

Bowman: WACJ 94.5 PG> 6 kW, XG: 33-19-13 / 80-43-52
Mullins: WWSK107.1 FC to modern rock (Myrtle B.)
Orangeburg: WKSO103.9 NC to 9200w, 531', B, GE
Surfside Bch: WYAK103.1 PC< 8 kW, 528 ft, XC: 33-47-06 / 78-52-44

SOUTH DAKOTA:

Redfield: *NS 97.7 62 kW, 190 ft.
Sioux Falls: KELO 92.5 adds Delilah

TENNESSEE:

Elizabethton: *NS 90.5 500w, -285 ft, DA
Paris: WLZK 94.1 CC (ex WMUF)
Union City: WKWT104.9 PC> 6 kW, 305 ft, XC: 36-28-25 / 88-56-41

TEXAS:

Abilene: KROW 92.5 CC (ex KFXJ)
Anson: KKHR 98.1 FC to tejano "Star 98.1"
Bandera: KEEP 98.3 RA with progressive CW // KFAN 101.1
Bells: KMKT 93.1 OSA to C3, 6.8 kW, 626 ft.
Borger: KAVO 91.5 CC (NS)
Burnet: KHLB 106.9 PG> 4.7 kW, 358 ft, DA
Caldwell: KLTR 95.1 NO-RX
Centerville: KAJG 103.1 NO-RE
Crystal Beach: KSTB 101.5 PC< 14 kW, 449 ft.
Denver City: *NS 97.5 39 kw, 459 ft.
Galveston: KLTP 96.3 XA: to Menard, TX
Harker Hts: KYUL105.5 NC to 36 kW, 577', RX
Hereford: KHFD103.5 CC (ex KAUU)
Kilgore: KTPB 88.7 PC> 62.1 kW (h), 79.4 kW (v) 551 ft, class C1, DA
LaGrange: KBUK104.9 XA: to Smithville, TX
Leaky: KBLT 104.3 NW, oldies (&) // KBNU
Llano: *** 96.3 GA: add class A
Llano: KBAE 104.3 GA: to 104.9 - C3, CL: Marble Falls, TX
McCamey: *NS 95.3 3 kW, 758 ft.
New Boston: KZRB 103.5 PC> 50 kW, 492', C2
Palestine: KLIS 96.7 OSA to C2, 50 kW, 384 ft.
Rosenberg: KLTO104.9 XA: to class A, Katy, TX and also XC: to C3 - Missouri City, TX
San Antonio: KSYM90.1 FC to alternative
San Antonio: KROM92.9 PC< 45 kW, 1351 ft, C1 XG: 29-16-29 / 98-15-52
Sterling City: KAKR96.5 NO-RE
Tahoka: KMMX100.3 FC to adult cont. (Lubbock)

VERMONT:

Wilmington: WVAY100.7 FC to WW1 adult rock // WKVT 92.7 (Keene, NH)

VIRGINIA:

Charlottesville: WWWV 97.5 PC< 8.9 kW, 1132 ft, B
Roanoke: WRDJ104.9 NC to 3.1 kW, 925', GE

WASHINGTON:

Leavenworth: KLVH101.1 NC to 97.7, RE
Walla Walla: KUJ 99.1 FC to CHR "Power 99"

WEST VIRGINIA:

Milton: WAMX106.3 PC> 1650w, 1109 ft, class B1
Romney: WJJB 100.1 NC to 900w, DA, RE

WISCONSIN:

Kellnersville: *** 97.1 PA: add class A
Lancaster: WJTY 88.1 PC>50kW (v), 7 kW (h)
Mukwonago: *** 105.3 GA: add class A
Whitewater: WKCH106.5 PG> 6 kW, 200 ft, DA XG: 42-54-24 / 88-45-06

WYOMING:

Laramie: KSNA104.5 CC (ex KKNG)

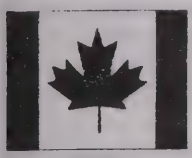
U.S. TERRITORIES:

PUERTO RICO:

Vieques: WSAN 98.9 FC to easy listening (S.Juan)

VIRGIN ISLANDS:

Charlotte Amalie: WVPI 104.3 RA with gold based AC
Christiansted: WSTX100.3 RA with calypso // AM



CANADA

BRITISH COLUMBIA:

Abbottsford: CFSR1104.9 QG to 92.5
Atlin: *NS 98.1 3 w, to be // CHFI 98.1 ON
Nelson: CHNV103.5 FC to country // CKQR 760

ONTARIO:

Timmins: CJQQ 92.1 PC> 40 kW

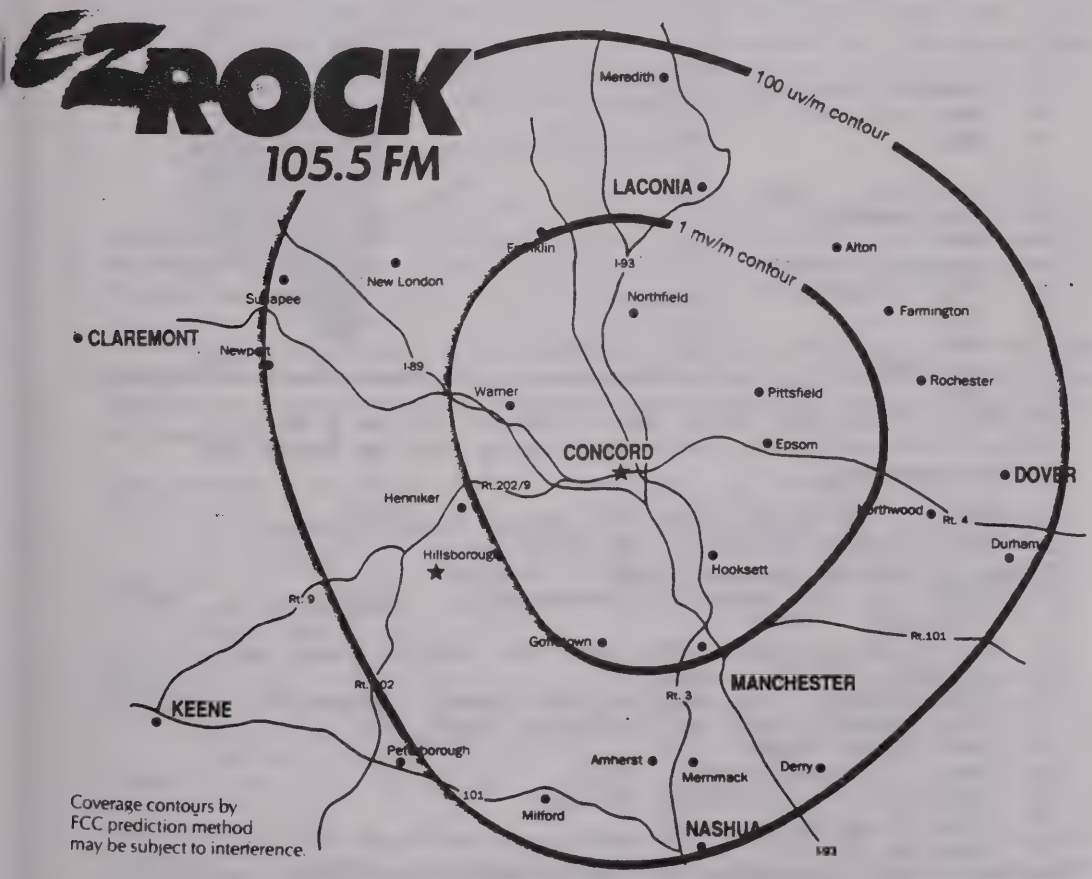
QUÉBEC:

Paspebiac: *NS 103.1 16.1w, // CIEU 94.9 PQ

YUKON:

Upper Liard: *NS 98.1 1 w, // CHON 98.1
Watson Lake: *NS 90.5 10w, // CHON 98.1

• Ken Simon writes with information he found on the Internet regarding the 1997 "European FM Handbook". It will be available in mid-July 1997, from the same contact information as is listed in the 1996 book (Mr. Timo Leponiemi). I don't have that address, but more information could probably be gotten from Hannu Piirainen, at HPIIRAINEN@tne01.tele.nokia.fi



WJYY 7 Perley Street, P.O. Box 1923 Concord, New Hampshire 03302-1923 (603) 228-9036 FAX (603) 224-7280

GEORGE W JENSEN
4604 ANNTANA AVENUE
BALTIMORE MD 21206-4220

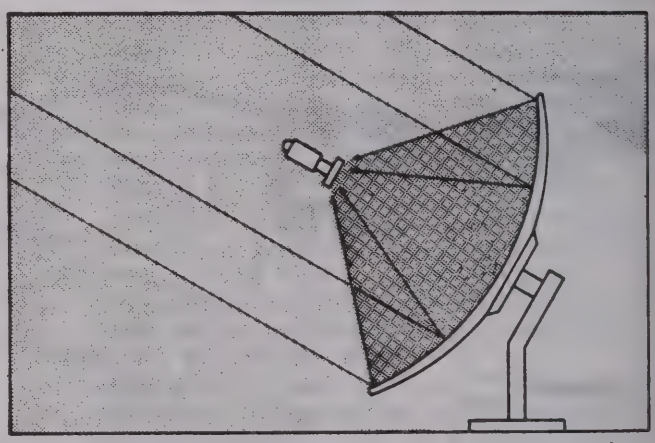
SATELLITE NEWS

A few changes to note before continuing with the satellite rundown.
First - ANIK C1 seems to still be very much alive - 2 feeds noted on 22 and 28 V - 12032.50 and 12122.50.

Telstar has this current early on-air line-up
10 - ID Channel
11 - Exxxtasy VC2
12 - Venus VC2
14 - True Blue VC2
22 - ABC Los Angeles - color bars and test tones
I'm sure there will be much more to come on Telstar 5.

Add to Galaxy 3 - XPDR 23 - Three Angels

And now to continue with the transponder loading -
Telstar 402R - 89 West - December 1, 1995 - C and KuBand
12 years - C-Band 12 to 23 watts/KuBand 60 to 120 Watts
Format - Odds - Vertical/Evens - Horizontal
1 - Fox Network
2 -
3 - Exxxplore VC2
4 - Shop-At-Home
5 - Fox Network
6 - X-Channel VC2
7 - compression video
8 - ABC East L
9 -
10 -
11 - XXXcite TV VC2
13 - Fox Network
14 - ABC
15 -
16 - Eurotica VC2
17 - Fox Network
18 - PBS
19 - Exxxtasy VC2
20 - Fox Network
21 - ABC L
22 - ABC
23 - Fox Network
24 - ABC



Ku-Band - Feeds and other uses - There will be a DT (Direct-To-Home) Satellite Service as well as feeds and teleconferences

SPACENET 3 - 87 West - 1988 (10 years) C and Ku Band
8.5 watts C band/16 watts - Ku Band -
Format - Odds-Horizontal/Evens - Vertical
3 - WSBK - Ch 38 - Boston, Massachusetts - Warner Bros. VC2
5 - Univision VC2
9 - WPIX - Ch 11 - New York, New York Warner Bros VC2
11 - CNNSI - VC2 (proposed)
15 - KTLA - Ch 5 - Los Angeles, California Warner Bros VC2
16 - CNN International and Financial News VC2
19 - Fox Sports South VC2
21 - PASS - Pro-Am Sports VC2
22 - America's Collectibles Network
23 - Home Team Sports VC2
24 - America One
There is very little use of the Ku-Band - no regular users

That's it for this month - see you in 30.

George

DTV Q&A & CHANNEL LIST

Doug Smith, TV News editor

Keith Smith in suburban Detroit wrote in with three DTV questions:

"I've noticed that most NTSC stations transmit in a radius of 30-50 miles. Will it be the same with DTV?"

That's what the FCC is trying to (and hopefully will) achieve. Each channel allocated in the table below also has an assigned power, intended to match the station's existing NTSC coverage. In most cases, they came within 5% or so of a perfect match, though a few stations will lose a substantial amount of coverage area. In all cases where coverage area is lost, it's because of interference -- and the loss will go away when NTSC TV is shut down.

Also, a weak digital signal will still deliver a perfect picture and sound, up to the point when the signal becomes too weak for the receiver to decode. If you're currently in the fringe area for a NTSC station, and receive a picture that's stable and easily ID-able but has too much noise, snow, and/or CCI to be enjoyable viewing, you may well find that station to provide good quality service in DTV.

"The channel allocations for DTV in many cities are often right next to each other - in Miami, five channels are allocated next to each other. Does this mean that adjacent-channel interference will essentially disappear?"

Actually, as far as the FCC is concerned adjacent-channel interference is already a thing of the past, if the signals involved are of similar strength. After all, cable systems use all 12 VHF channels and adjacent channels in mid- and super-band without problems; the only difference is that every channel in the cable is of equal strength. In over-the-air DTV, adjacent channels can be assigned only if the transmitters are within 10km. (if one of the stations involved is NTSC. The figure is 30km if both are DTV, because digital is less susceptible to "slopover".) In most markets, this condition is easily met: for example, in Miami all stations except WTVJ-6 and WCTD-35 have towers within a circle of about 3-5km. Again, DTV is less susceptible to "slopover" interference from adjacent channels too. While adjacent-channel interference won't totally disappear, (you shouldn't count on being able to DX channel 41 if you have a DTV on channel 42 in your town) it won't be nearly as bad as it is with NTSC.

"Will LPTVs be permitted in the DTV spectrum?"

Yes. LPTVs won't receive assigned DTV channels. They will, however, be permitted to switch to digital operation on their current channels. Since multiple-ownership regulations don't apply to LPTV, they can also buy another local LPTV and convert it to digital. Or, if additional channels are available in their area, they can apply for a totally new LPTV and operate it as a DTV station.

Joseph Martin (suburban Chicago, moving to California, good luck!) sent a *TV & Cable Factbook*, in which I discovered a list of experimental DTV stations and applications. This is the first place I've seen comprehensive technical information on these operations, so I thought it might be good to reproduce it here:

```
Los Angeles, CA  "KTLA-HD"-12     10KW/992m  34-13-36N/118-03-56W  APP
Washington, DC   WHD-TV 30        500KW/174m 38-56-24N/ 77-04-54W  LIC
     (also has permit for channel 27, not on air; and application
     for channel 51.  On WRC-4 tower.)
New York, NY     WCBS-HD 33       327KW/397m 40-44-54N/ 73-59-10W  APP
     (has since begun operation.  Empire State Building, site of
     WCBS-2 backup antenna)
Raleigh, NC      WRAL-HD 32       100KW/534m 35-40-35N/ 78-32-09W  LIC
Portland, OR     "KOPB-HD" 35     3.6KW/369m 45-31-22N/122-45-07W  APP
Arlington, VA    "WETA-HD" 34     5KW/122m   38-53-30N/ 77-07-55W  APP
     (5217 19th Rd. North, Arlington - not used by any other TV
     station)
Seattle, WA      "KCTS-HD" 18     675W/167m  47-36-58N/122-18-28W  APP
```

Unless otherwise noted, the antennas are on the stations' existing NTSC towers. Call letters in quotes have not been officially assigned by the FCC. WHD-TV is licensed to NBC, but is operated by a "Model HDTV Station Project" which seems to be a cooperative effort of the NAB. Again, these are experimental operations. As you'll note in this month's *TV News*, the FCC has begun accepting applications for regular commercial DTV operations. They seem to be using the "-DT" designator instead of "-HD".

DTV Channel 59:

Akron Oh	WAKC	23
Bethlehem Pa	WBPH	60
Bayamon Pr	WDWL	36
Charlestn Sc	WCBD	2
Greenvl. Sc	WYFF	4
Bryan Tx	KBTX	3
Appleton Wi	WACY	32

DTV Channel 60:

L. A. Ca	KCBS	2

DTV Channel 61:

Sacto. Ca	KXTV	10
S. Bdo. Ca	KSCI	18
Newark Nj	WNET	13
Arecibo Pr	WMEI	60
Milwaukee Wi	WVTV	18

DTV Channel 62:

Stockton Ca	KFTL	64
Allentown Pa	WLVT	39
Aguada Pr	WQHA	50

DTV Channel 63:

Concord Ca	KTNC	42
Mayaguez Pr	WTRA	16

DTV Channel 64:

Phila. Pa	WPVI	6

DTV Channel 65:

L. A. Ca	KTTV	11
Naranjito Pr	WECN	64

DTV Channel 66:

L. A. Ca	KCOP	13
Vineland Nj	WHSP	65
Ponce Pr	WSTE	7

DTV Channel 67:

Phila. Pa	WCAU	10
Ponce Pr	WTIN	14

DTV Channel 68

L. A. Ca	KTLA	5

DTV Channel 69

Riverside Ca	KRCA	62
Aguadilla Pr	WOLE	12

DTV Technical Standards:

Some channels between 14 and 20 are reserved for land-mobile operation; no co-channel DTV allocations will be allowed within 250km/155.3mi. of one of these, nor will adjacent-channel DTV allocations be allowed within 176km/109.4mi.

Approximately 10% of all assignments in the DTV tables are marked "c" in the original FCC table. These assignments are within 88km/54.7mi. of a lower-adjacent NTSC station. To reduce interference to the NTSC station, stations using these assignments must maintain their "pilot carrier" with 3Hz of the correct frequency. Nominally, the "correct" frequency is 332.138KHz above the bottom of the channel. However, if the NTSC station uses an offset, the upper-adjacent DTV station must use the same offset. (so a DTV station on channel 6 within 88km of a NTSC station on channel 5, zero offset, would operate its pilot on 82332.138KHz. If the NTSC station were on channel 5, minus offset, the channel 6 DTV station would operate its pilot on 82322.138KHz, and if the NTSC was on plus offset, the DTV would be on 82342.138KHz.) I would imagine this restriction would go away when NTSC is phased out.

The next step for DTV is for stations to apply for CPs for their new channels. Stations have a maximum of 6 years (in many cases, as few as 2-1/2 years) to begin DTV operation. As you'll see in this month's *TV* News, some applications have already been filed. WESH-11 Daytona Beach, Florida will go down in history as the first station to file an application for commercial DTV service. I do expect this table to be litigated; someone is bound to be unhappy with it! (LPTV interests are known to be unhappy with the entire DTV situation)

Each new channel has an associated maximum ERP, designed to duplicate as fully as possible the station's NTSC coverage. Stations with very low NTSC powers were assigned a minimum DTV power of 1KW, and full-power VHF operations assigned UHF channels (which would otherwise require more than 1000KW for equal coverage) were assigned a ceiling power of 1000KW. Should, in the future, new DTV channels be available for assignment, the power limits will be:

Channel	Max ERP, Zone I	Max ERP, Zones II/III	Max HAAT
2-6	10KW	45KW	305m
7-13	30KW	160KW	305m
14-59	1000KW	1000KW	365m

Specific formulas have been established in the rules for maximum powers for stations with antennas higher than 305m (zone I) or 610m (zones II/III).

LPTV regulations have also been changed. The LPTV power limit was 10 watts transmitter output (VHF) or 1000 watts transmitter output (UHF). The limits are now in effective radiated power (ERP), which considers antenna gain. Note that these changes apply to both DTV and NTSC operation of LPTV stations - in essence, the maximum power limit for LPTVs has been increased. The new limits are:

Channel	NTSC limit	DTV limit
2-13	3KW	300W
14-69	150KW	15KW

LPTV stations will be allowed to use "terrain shielding" to allow use of a channel that would otherwise be unavailable. (under the old rules, a LPTV station could not be licensed if it would generate interference within the predicted coverage area of a full-license station or older LPTV. This was the case even if a

mountain or other obstruction made it impossible to receive the full-license station/older LPTV in the interference area. Under the new rules, the obstruction can be considered in allocating channels.)

Also established were new minimum separations for future channel assignments. All unused allotments were deleted when the new tables were composed, but only operating stations were considered when making new allotments. This means some (probably quite a few) additional allotments are possible in more lightly-populated areas. Such additional allotments will be especially possible when NTSC is phased out.

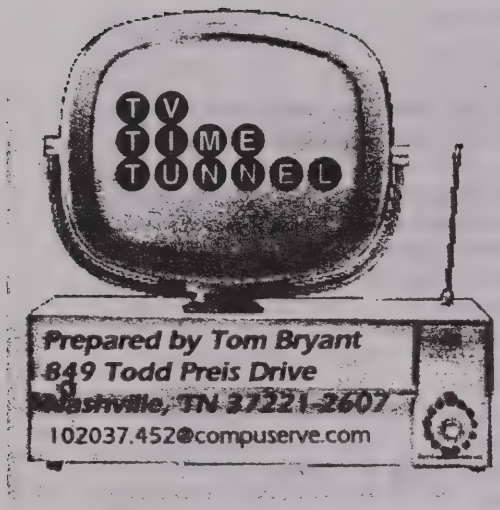
Minimum separations:

DTV co-channel	Zone I	VHF	244.6km/152mi.	UHF	196.3km/122mi.
	Zones 2/3	VHF	273.6km/170mi.	UHF	223.7km/139mi.
DTV to NTSC co-chan.	Zone I	VHF	244.6km/152mi.	UHF	217.3km/135mi.
	Zones 2/3	VHF	273.6km/170mi.	UHF	244.6km/152mi.
DTV adjacent channel	Zone I	VHF	no assignments between 40.2km/25mi. and 96.6km/60mi.		
		UHF	no assignments between 32.2km/20mi. and 88.5km/55mi.		
	Zones 2/3	VHF	no assignments between 48.3km/30mi. and 96.6km/60mi.		
		UHF	same as Zone I		
DTV to NTSC adjacent	Zone I	VHF	no assignments between 11.3km/7mi. and 114.3km/71mi.		
		UHF	no assignments between 9.7km/6mi. and 88.5km/55mi.		
	Zones 2/3	VHF	no assignments between 17.7km/11mi. and 146.4km/91mi.		
		UHF	same as Zone I		
"Taboo" channels	Zone I	UHF	no assignments between 24.1km/15mi. and 80.5km/50mi.		
"Taboo" channels	Zones 2/3	UHF	no assignments between 24.1km/15mi. and 96.6km/60mi.		
LPTV 7 channels	All zones	UHF	100km/62.1mi. above NTSC		
LPTV within 2/3/4 channels of NTSC	All zones	UHF	32km/19.9mi.		

Adjacent and "taboo" channel spacings are based on a "dead zone". For example, channels 52 and 53 could both be used in Birmingham, Alabama (Zone 2) if the towers are less than 20 miles apart. They could also be used if the towers are more than 55 miles apart.

The 100km spacing for a LPTV 7 channels above a NTSC can be waived if the full-license NTSC station is not "regularly viewed" in the LPTV's service area. And the 32km spacing for LPTVs within 4 channels of a NTSC operation doesn't apply if the LPTV uses 50KW or less of ERP. (most LPTVs do use less than 50KW ERP) These restrictions are due to NTSC receiver shortcomings -- see "taboo" channels below.

"Taboo" channels are those 2, 3, 4, 7, or 8 channels either side of an analog channel, or those 14 or 15 channels above an analog channel. These channels are likely to cause interference in NTSC receivers because of common design shortcomings in these receivers. "Taboo" channels cannot happen at VHF, and it's apparently assumed improved receiver design will prevent them from becoming a problem with DTV receivers.



(the rest of)

THE KCIX-TV STORY

(written by Frank Aden, Jr. N7SOK; Boise, ID)

For those people who have been living in Southwest Idaho for the last 20 years the thought of not having an ABC affiliated TV station would never cross their mind but for the first 21 years of TV broadcasting in the area, that was exactly the case.

When TV made its' debut in the area in June of 1953, first with KFXD-TV, ch. 6, Nampa, then with KIDO-TV, ch. 7, Boise, (now KTVB) it initially seemed that the market would have facilities for all three networks.

KFXD-TV, unable to get the ABC contract, failed (financially) after only a few weeks of broadcasting, leaving KTVB the only station in the area until Nov., when KBOI-TV, ch. 2, Meridian (re-licensed to Boise in Jan 1955), (now KBCI) came on the air.

KIDO initially broadcast programs from all four networks, NBC, ABC, CBS and Dumont but was signed as a NBC primary station. KBOI-TV had the CBS primary contract. Beginning in Nov. 1953 ABC was seen on a secondary basis on KIDO-TV with a few shows also running on KBOI-TV. KGEM-TV ch. 9, Boise, (may have planned to use KTVI) was expected to get the ABC contract when it began operation in the fall of 1954 but financial problems never allowed the station to be 'born'.

In March of 1958, things were looking up. Hagadone Broadcasting Co. announced they had received a construction permit for a new ch. 6 to be licensed to Nampa. The March 30th, *IDAHO STATESMAN* reported the new station would be on the air in June and negotiations were in progress with a major network (ABC was the only possibility). The article said the station would have a signal radius of about 65 miles.

An interesting twist to all this is the fact that Hagadone Broadcasting had put AM radio station KYME 740 on the air in Boise in 1955 after Roger Hagadone had left the position of General Manager of KJRL Radio in Pocatello. KJRL had an application for ch. 6 in Pocatello in 1953-54 but never did anything with it. Hagadone sold KYME at about the same time he applied for ch. 6 in Nampa. Many of the people associated with KYME moved over to KCIX -TV.

Hagadone Broadcasting had contracted with KFXD radio (sound familiar? KFXD-TV in 1953) to use the top of one of their AM broadcast towers for the new station's antenna. Studio space was also contracted from KFXD in their transmitter building. A business office was established in downtown Boise at 315 N. 8th St.

The KFXD transmitter site, which is still in use today for KFXD-AM, is a few miles south of Meridian. KFXD has four towers, two self-supporting and two guyed. In the late 1940's and early 1950's , KFXD had also operated a FM station from the site and had added a pole extension to the top of one of the self-supporting towers for the FM antenna elements. Hagadone Broadcasting was able to use this 'pole' for their ch. 6 antenna elements. The HAAT was 340ft and the tower itself, 315ft above ground.

In a recent talk with one of the former owners of KFXD (during the 1960's) it was mentioned that some or most of the studio equipment used by KCIX-TV was left over from KFXD-TV.

On Nov. 9, 1959, KCIX-TV came on the air, 5 months later than originally planned. The station's power was only 8.32kw video and 4.17kw audio. The station signed on at 4pm with a program called "Your TV Theater". A dedication program with Gov. Smylie ran at 7:30 pm. Large advertisements appeared in both the Nampa and Boise newspapers announcing

"A new look for Idaho Television". There was no mention of any network programming being planned. The low power and poor transmitter location probably made the station of little interest to ABC and would eventually lead to its downfall.

KIDO-TV and KBOI-TV both had high powered transmitters located on Deer Point, 16 miles NW of Boise with an HAAT of over 2500ft. Most people living in the Boise Valley found they needed only rabbits ears to get a good signal from the two stations. Those who did have out door antennas in the area had them pointed toward Deer Point and for most this was the wrong direction for receiving KCIX-TV.

I remember as a small child trying to watch KCIX-TV at my parents house which was about 12 miles from the KCIX -TV transmitter site. Having only rabbit ears , I was never able to get a watchable signal. The only time I remember being able to see the station clearly was when visiting relatives in the southern part of Nampa, a few miles east of the transmitter site.

KCIX -TV's program lineup was not of the quality of the other stations , running mostly old syndicated half-hour shows with some limited local news. Starting at either 7:00 pm or 8 :00 pm they ran two movies. The second movie then being run as the first movie the next day! In addition, while the competitors were signing on around noon, KCIX didn't being programming until 4 pm.

On August 16th, 1959, Hagadone Broadcasting made a statement to the public that the station was being sold to or merged with KTLE ch. 6 in Pocatello which had first come on the air earlier that year. KCIX-TV also made a statement they were reducing programming to 2-3 hours a day. A caption appeared under the station's program listings in the local newspapers stating *"minimum schedule only"*, pending approval of increased power and change of tower location". It was apparent they were planning to install a new, more powerful transmitter on Deer Point.

The merger/sale never occurred and there never was any explanation for the failed deal. On Jan, 4th, 1960, the station left the air forever with authorization from the FCC to suspend operation from Jan. 18, 1960 to Sept. 1, 1961. There was no explanation in any of the local papers as to why they were off.

One of the more interesting parts of the KCIX-TV story is about its transmitter. It all started with KSL-TV in Salt Lake City UT which was originally on ch. 3. When KID-TV, ch. 3, came on the air in Idaho Falls in Dec. 1953, KSL wanted to move to another channel to avoid the interference it was getting in its northern fringe areas due to KID-TV. They were also reported to have cut a good deal on a higher powered ch. 5 transmitter (which they did obtain when they got approval to move to ch. 5 sometime in the mid 1950's). Hagadone Broadcasting bought KSL-tv's old ch. 3 transmitter and converted it to ch. 6; and it became the KCIX-TV transmitter. When KCIX-TV went off the air in Jan. 1960, KBOI bought the transmitter and converted it for FM radio broadcast. This was completed in the fall of 1960 and KBOI-FM signed on in November.

Around 1975, Bill Frahm, now CE at KBOI-AM and KQFC (ex-KBOI-FM) showed me the ex-KSL-TV ch. 3/ex-KCIX-TV transmitter which was still at the transmitter site on Deer Point where it had been installed in Nov. 1960 for KBOI-FM. It still had a "KSL ch. 3" logo on the side! No one at either KCIX-TV or KBOI had ever attempted to remove it. Even though it was peeling off I was fortunate to be able to take a photograph of it. The transmitter was replaced that year and eventually parted out.

You might think you've heard the last of KCIX...but...not so! This call sign seems to have more lives than a cat.

In Jan. 1985, 105.9, Boise (licensed to Garden City), returned the call letters to the Boise Valley in the form of KCIX-FM. Oddly enough, the owners of KCIX-FM were unaware that the call had been used in the area before and were quite surprised to learn so!

EDITOR'S NOTE: Frank Aden is undoubtedly the foremost authority on Idaho broadcast history, and is well known for his research efforts on topics such as the KCIX story. I regret that portions of his article had to be deleted due to space limitations. As noted in a previous *"TIME TUNNEL"* article on KCIX, the saga of channel 6 in Nampa/Boise is one of the most intriguing in U.S. television history...it's also one of the most confusing!

NEXT MONTH: Circular test pattern pics courtesy of Jeff Kadet.

PHOTO-NEWS

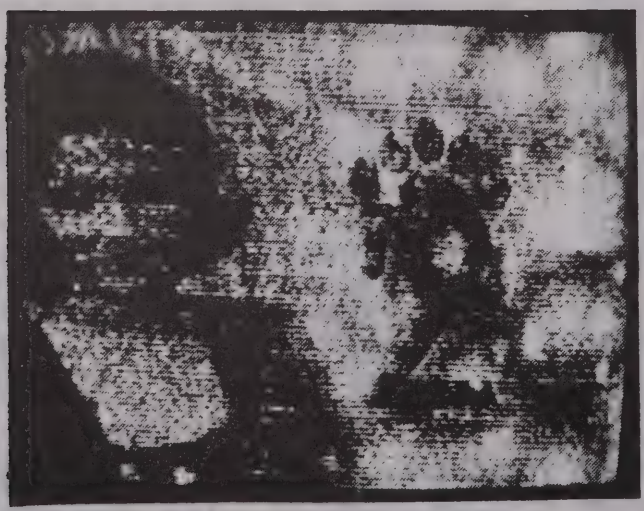
Jeff Kruszka, Editor
5024 S. Braxton Ave.
Baton Rouge, LA 70817
JTKruszka@worldnet.att.net

August 1997

Here's the last of the latest batch of photos from Danny Oglethorpe, Shreveport, LA:

KTUL-8 Tulsa, OK
288 mi Tr seen 10/2/96
@0030 CT

XHI-2 Cd. Obregon, SON
1026 mi Es seen 4/23/96
@1130 CT
"Televisora del Yaqui"

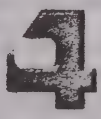


XHFM-2 Veracruz, VER
1243 mi Es seen 12/11/96
@1530 CT
"Canal 2 Christmas ID"

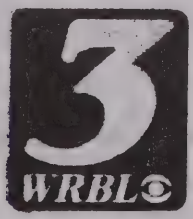
And here's one more from Frank Aden, Jr. , Boise, ID:

KACB-3 San Angelo, TX
1185 mi Es seen 6/4/96
@1843 MDT
satellite of KRBC-9

Now, here's some channel 4 logos which I forgot to print last month. See if you can guess where they're from! (Hint: if you think you've gotten them by E-skip, you've got quite a touch!) Answers at bottom.

1.
2.
3. 

And more logos from the Web, thanks to Chip Kelley's DX website, USA TV Online, a very valuable resource!



73's, Jeff

1.) TV 4 Sweden; 2.) Ch. 4 England; 3.) WAPA San Juan, PR

Southern FM DX

John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
E-mail: Jpzondlo@aol.com
Deadline: 10th

August 1997

For DXers in: AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NV, OK, SC, TN, TX, UT, WV, and Mexico

---

Gus Mancuso - 5615 Inwood St. - Hyattsville, MD 20785-1120 EDT
Pioneer SX-40 w/"Tim McVey" filters, and plain Radio Shack rabbit ears

6/29 Es
1903 KBEZ 92.9 OK Tulsa, 8th skip & 14th overall this frequency
1923 KNID 96.9 OK Enid
1942 KRPS 89.9 KS Pittsburg, null on WOEL
1949 KWFC 89.1 MO Springfield
1950 KOSU 91.7 OK Stillwater, heeeey Danny!
1959 KFXI 92.1 OK Marlow

First skip in 4 years. Did not get home from work until 1900.

Fernando Garcia - San Salvador 415 - Rincol de la Sierra - Ciudad Guadalupe, Nuevo Leon 67181 Mexico - fergamex@infosel.net.mx CDT

6/18 Es
1445 WCMQ 93.2 FL Hialeah, SS, "La Nueva Classica 92"
1450 WOLZ 95.3 FL Fort Myers, "Oldies 95"
1455 WARO 94.5 FL Naples, "Arrow 94.5"
1500 WRMB 89.3 FL Boynton Beach, calls
1830 WMBW 88.9 TN Chattanooga, city mentions
6/23 Es
1500 KLPX 96.1 AZ Tucson, calls
1500 KKLZ 96.3 NV Las Vegas, "Classic Rock 96"
1500 KLUC 98.5 NV Las Vegas, calls, city mention
1500 KSLX 100.7 AZ Scottsdale, classic rock
1500 KNIX 102.5 AZ Phoenix, calls
1520 KSNE 106.5 NV Las Vegas, "Sunny 106.5"
6/24 Es
1815 KHNE 89.1 NE Hastings, NE Public Radio
1915 KTGL 92.9 NE Beatrice, "The Eagle"
7/3 Tr
0800 KTBT 93.7 LA New Iberia, "The Beat"
0800 KRVS 88.7 LA Lafayette, full ID
7/11 Tr
0730 KSCS 96.3 TX Fort Worth, wx

Doug Smith - W9WI - 1385 Old Clarksville Pike - Pleasant View, TN 37146-8098 - 72777.3143@compuserve.com CDT
Technics St-G50 tuner, big Radio Shack VHF-TV antenna at 15'

6/2 Es
1023 CKXLt 91.1 MB Winnipeg, FF AC & CHR mx, no announcers
1023 CJKRt 97.5 MB Winnipeg, op$, "Power 97"
1023 CBWt 98.3 MB Winnipeg, c
1025 CFWM 99.9 MB Winnipeg, local wx 1060
6/7 Es
1200 unID 90.9 Mexico, brief & weak opening
1400 WCBF 102.1 KY Clinton, legal ID and 70's oldies in stereo, new to air 97
6/9 Es
1400 KTXB 89.7 TX Beaumont, legal ID and Family Radio talk 579
1406 XH?? 92.3 TM Rio Bravo, R. Tamaulipas ID for Ciudad Victoria, but the txmtr is really in Rio Bravo per FM Atlas and Fernando Garcia 1000
1406 KKBA 92.7 TX Kingsville, "Bay FM" with Corpus Christi talk, previously logged as KNGV, still here not 92.5 879
1406 KIWW 96.1 TX Harlingen, calls & local talk 948
1416 KFTX 97.5 TX Kingsville, call ID 856
1416 KKPS 99.5 TX Brownsville, calls, "Que Pasa 99.5" 952
1416 unID 88.3 "R. Maniental" in SS, sounded religious
1429 KJIC 90.5 TX Santa Fe, calls, Houston wx 680
1500 XHMZI 91.1 CL Monclova, local ad 1032
6/14 Tr
1100 WILL 90.9 IL Urbana, calls, local events 266
6/20 Tr
0115 unID 94.3 "The Vision," r
0124 KPNT 105.7 MO St. Genevieve, "The Point" 230
0124 WIL 92.3 MO St. Louis, calls 232
0141 WBGL 91.7 IL Champaign, calls 265
0743 unID 92.7 "Star 92-7", CHR
6/25 Es
1035 KINT 93.9 TX El Paso, local ad 1151
6/26 Tr
1000 KUMR 88.5 MO Rolla, legal ID w/K242AN 96.3 273
6/29 Es
1956 KBNL 89.9 TX Laredo, call ID in classical mx pgm (but religious talk between selections) 936
2000 KJBZ 92.7 TX Laredo, full legal ID & slogan as "Tejano 93" 950
7/1 Es
1231 KOFXt 92.3 TX El Paso, oldies
7/1 Tr
2332 KRPS 89.9 KS Pittsburg, legal ID w/102.7 txltr in Bartlesville OK 432
7/2 Tr
0036 KURB 98.5 AR Little Rock, "Little Rock's B-98.5" 323
0100 WAJS 90.9 MS Tupelo, call ID in pgm of rel heavy metal 161
0131 WXAN 103.9 IL Ava, call ID, "Solid Gospel 103.9" //local 104.9/105.1 166
0615 KMVK 106.7 AR Benton, "106.7 The Maverick" & Little Rock talk 333
0617 WHHM 107.7 TN Henderson, local ads 108
0631 KIPR 92.3 AR Pine Bluff, "Power 92" 318
0639 KKPT 94.1 AR Little Rock, "The Point 94.1" 323
0656 KMAG 99.1 AR Fort Smith, legal ID and "Arklahoma Weather" 379
0656 KTCS 99.9 AR Fort Smith, local news, xmtr in Oklahoma 435

Smith continued
June 9 was the only decent skip opening, and July 2 the only decent tropo of the year. 73, Doug

---

John Jefferson - 4104 Spyglass Ct. - Antioch, CA 94509-6051 PDT
McIntosh MR-80 (digital display w/analog tuning), APS-14 antenna (the 196" baby bird perch, as Stereo Review called it) @ 30' off the ground, Channel Master rotor.

There really is a skip season this year. I actually logged something new on 7/1. Not one new logging via skip in May and June combined! Ouch!

6/1 Es
1550 KYOT 95.5 AZ Phoenix, smooth jazz, calls 629
1559 KNAI 88.3 AZ Phoenix, SS, ID 629
7/1 Es
1956 KNOX 94.7 ND Grand Forks, k, calls 1427
2015 ???? 97.1 ?? ???, "Hit Country"
2019 KQZZ 96.7 ND Devils Lake, ND wx, "Q-97" 1350
2023 KNTNt 102.7 MN Thief River Falls, mono nx

Is that pathetic, or what? At least KQZZ was a nice catch. Prior best on 96.7 here in Antioch was Fowler CA @ 147 miles.

Pat Dyer - WA5IYX - 5315 Silvertip Dr. - San Antonio, TX 78228-2744 - pjdyer3@juno.com
CST
Realistic TM-1001 tuner (2 IF mod w/150 kHz filters) into Allied 426, 52 ohm step-attenuator box used to reduce local intermod/overload when needed, 6 element Archer antenna at 20' with rotor, some aero navaids with Narco Omnigator VTR-2A (1950's tube item)

5/31 Es
1857 WBTU 93.3 IN Kendallville, k, ID 1113
6/1 Es
1139 WDOG 93.5 SC Allendale, ID, "Jamz 93" 1048
1424 KMCM 92.5 MT Miles City, ID 1231
1455 KAML 96.9 WY Gillette, o, ID 1092
1502 WJJY 92.5 IA Ankeny, ID 885
1504 KRAQ 105.7 MN Jackson, ID 998
1506 KVHT 106.3 SD Vermillion, area baseball game 940
1507 KCRQ 102.3 MN Detroit Lakes, "Cool Country" 1208
1512 KELO 92.5 SD Sioux Falls, ID 978
1514 KITN 93.5 MN Worthington, ID 987
1519 KSEZ 97.9 IA Sioux City, "Z-98" 909
1619 KPLO 94.5 SD Reliance, area ads 1003
1646 KBYZ 96.5 ND Bismarck, ID, "The Fox" 1189
1649 KQDY 94.5 ND Bismarck, "KQ-94," area ad 1213
1724 KJJK 96.5 MN Fergus Falls, "KJ Country" 1168
6/2 Es
1428 KPFK 90.7 CA Los Angeles, ID, pledge drive 1188
1430 KFAC 88.7 CA Santa Barbara, cx, net ID 1281
1431 KFOX 93.5 CA Redondo Beach, Korean 1199
1438 KHAY 100.7 CA Ventura, area ad 1260
1513 KLOS 95.5 CA Los Angeles, ID 1197
1519 KPWR 105.9 CA Los Angeles, area ad 1187
1527 KCBS 93.1 CA Los Angeles, "Arrow 93" 1281
1531 KKBT 92.3 CA Los Angeles, rap, ID, "The Beat" 1187
6/4 Es
1021 WZWZ 92.5 IN Kokomo, "Z-92.5," ID, area ads 1034
1023 CIMX 88.7 ON Windsor, "89-X," rk 1235
1026 WVLS 92.5 OH Toledo, "Kiss FM" 1183
1814 WTQR 104.1 NC Winston-Salem, k, ID 1157
1815 WESC 92.5 SC Greenville, ID 1011
6/5 Es
2128 KTHQ 92.5 AZ Eager, ID 724
6/6 Tr
1035 XHRK 95.7 NL Monterrey, local ad 284
6/6 Es
1324 XHNS 96.9 GR Acapulco, full ID 870
6/7Es
1321 KBGO 93.1 NV Las Vegas, local ad 1079
1325 KVWM 93.5 AZ Show Low, area/local ads' 747
1327 KTHQ 92.5 AZ Eager, area ads 724
6/7 Tr
1338 KODM 97.9 TX Odessa, ID 267
6/9 Es
1131 WSKX 92.3 GA Hinesille, ID 1034
1140 WRBX 104.1 GA Reidsville, area ads 993
1142 ICKF 108.9 GA Cordele, Crisp Co. Apt. localizer 899
1146 WGZR 104.9 SC Ridgeland, "the Gator" 1066
1149 WWXM 97.7 SC Georgetown, ID, "Mix 97" 1184
1150 WRNN 94.5 SC Murrells Inlet, Limbaugh 1184
1152 WYAV 104.1 SC Conway, "The Wave" 1184
1153 WTUA 106.1 SC St. Stephen, area obits 1135
1157 WWBD 95.7 SC Bamberg, ID, Limbaugh 1065
1157 WXTC 96.9 SC Charleston, city ID 1140
1159 WHLZ 92.5 SC Manning, "Wheels" 1130
1201 WNMB 105.9 SC North Myrtle Beach, "B-105.9" 1206
1204 WDOG 93.5 SC Allendale, area ads 1048
1210 WNML 96.5 GA Gray, area sports promos 906
1210 WAAN 97.9 SC Blackville, area wx 1055
1215 WJZF 104.1 GA LaGrange, "Jazz Flavors," ID 855
1216 WSB 98.5 GA Atlanta, "B-98.5" 889
1220 WJMX 103.3 SC Cheraw, area ads, "103-X" 1147
1227 WKRR 92.3 NC Asheboro, area PSA 1174
1231 WXRA 94.5 NC Eden, area wx 1181
1233 WGST 105.7 GA Canton, Limbaugh 887
1238 WTPT 93.3 NC Forest City, ID 1034
1240 WFMX 105.7 NC Statesville, area ads 1128
1246 WTQR 104.1 NC Winston-Salem, k, ID 1157
1247 WKLR 96.5 VA Williamsburg, area ads 1360
1249 WTVR 98.1 VA Richmond, local ads, "Lite 98" 1335
1249 WTDR 96.9 NC Statesville, ID 1117
1302 WTFM 98.5 TN Kingsport, local ad 1046
1306 WKXM 105.9 AL Winfield, ID, "Gold 106" 708
1311 WAKG 103.1 VA Danville, ID 1217
1320 WSLQ 99.1 VA Roanoke, area/local ads 1188
1325 WXBQ 96.9 TN Bristol, ID 1067
1325 WPVR 94.9 VA Roanoke, "The Arrow" 1188
1327 WRON 97.7 WV Ronceverte, area PSA 1186
1331 WAXM 93.5 VA Big Stone Gap, ID 1042
1333 WXCC 96.5 WV Williamson, ID 1095
1336 WQHY 95.5 KY Prestonsburg, area ad 1072
1342 WJDJ 93.9 KY Burnside, "DJ-94" 972
1346 WBES 94.5 WV Dunbar, ID 1145
1355 WGKS 96.9 KY Paris, area ads, "Kiss FM"

Dyer continued
1358 WAIN 93.5 KY Columbia, ID 931
1523 WNCI 97.9 OH Columbus, area ads, ID 1142
1526 WCLR 95.7 OH Piqua, o, "Cool 95" 1097
6/10 Es
0948 WWKA 92.3 FL Orlando, local ad 1058
0950 WCFB 94.5 FL Daytona Beach, "Star 94.5" 1033
0954 WOGK 93.7 FL Ocala, local ad 994
0956 WOCL 105.9 FL DeLand, "Cool 105.9" 1042
0958 WTRS 102.3 FL Dunnellon, ID 975
1002 WFKS 99.9 FL Boca Raton, "Kiss" 1038
1005 WTKS 104.1 FL Cocoa Beach, "Real Radio" 1059
1034 WDOG 93.5 SC Allendale, local nx 1048
1117 WJCP 92.7 IN Austin, ID 975
1119 WTTS 92.3 IN Bloomington, local ads, ID 986
1120 WHRZ 97.7 KY Providence, ID 839
1121 WCLR 95.7 OH Piqua, "Cool 95" 1097
1121 WOFX 92.5 OH Fairfield, "The Fox" 1045
1122 WVAE 94.9 OH Cincinnati, j, local ad 1045
1125 WOXY 97.7 OH Oxford, local ad 1046
1125 WLQT 99.9 OH Kettering, area PSA, "Lite 99.9" 1082
1128 WNTC 93.5 IN Chandler, area ad 874
1130 WPAY 104.1 IN Portsmouth, ID 1095
1132 WYGY 96.5 OH Hamilton, area PSAs 1060
1137 WSLM 97.9 IN Salem, area ad 951
6/18 Es
0754 WWKA 92.3 FL Orlando, area ad 1058
1822 WARO 94.5 FL Naples, area ads, "Arrow" 1052
1823 WINK 96.9 FL Fort Myers, ID 1041
6/19 Es
1511 WXBQ 96.9 TN Bristol, ID 1067
1511 WXLK 92.3 VA Roanoke, "K-92" 1188
1515 WPFB 105.9 OH Middletown, area ads, "The Rebel" 1065
1518 WLET 106.1 GA Toccoa, "Mix 106" 955
1523 WQIO 93.7 OH Mt. Vernon, traffic rpt, "93-Q" 1184
1527 WZJM 92.3 OH Cleveland Heights, area ad 1265
1531 WHLZ 92.5 SC Manning, area ad 1130
1535 WHKN 94.9 GA Millen, k, ID 1014
1537 WZTR 95.7 WI Milwaukee, ID 1111
1538 WCLR 95.7 OH Piqua, area ads, "Cool 95" 1097
1552 WAZY 96.5 IN Lafayette, ID 994
1554 WKHY 93.5 IN Lafayette, "KHY" 1000
6/22 Es
2004 WKCL 91.5 SC Ladson, area wx 1119
6/23 Es
0930 KFOX 93.5 CA Redondo Beach, Korean 1199
0941 KLKX 93.5 CA Rosamond, area ad 1208
0943 KBZT 94.9 CA San Diego, "K-Best" 1126
0945 KAVS 97.7 CA Mojave, area ad 1204
0947 KZIQ 92.7 CA Ridgecrest, ID 1186
0950 KCLB 93.7 CA Coachella, state ad 1078
0951 KLOS 95.5 CA Los Angeles, traffic 1187
0955 XETRA 91.1 BCN Tijuana, ID 1110
1000 XHRM 92.5 BCN Tijuana, area ads, "The Flash" 1110
1001 KHWY 98.9 CA Essex, ID 1032
1008 XHITZ 90.3 BCN Tijuana, "Jammin' Z" 1114
1014 KXXZ 95.9 CA Barstow, area ad 1142
1021 KCBS 93.1 CA Los Angeles, "Arrow 93" 1118
1021 KOOL 94.5 AZ Phoenix, "Cool 94.5" 837
1023 KYSR 98.7 CA Los Angeles, "Star 98.7" 1204
1026 KKGO 105.1 CA Los Angeles, area ad 1188
1028 KFSG 96.3 CA Los Angeles, traffic 1193
1032 KLAX 97.9 CA Long Beach, SS, area ads 1202
1044 KYCY 93.3 CA San Francisco, k, area ads 1464
1050 KMCG 95.7 CA Carlsbad, "Magic 95.7" 1126
1051 KWNR 95.5 NV Henderson, k, area ad 1054
1057 KHTS 93.3 CA El Cajon, area ads, "Channel 933" 1107
1104 XHAP 93.5 BCN Tecate, ID, "Estereo Hits" 1089
1112 KYXY 96.5 CA San Diego, "Kixy" 1126
1115 XHMOE 90.7 BCN Mexicali, local ad 1021
1117 KFMB 100.7 CA San Diego, "Star 100.7" 1126
1132 XHMMF 92.3 BCN Mexicali, local ad 1022
1138 XHJC 91.5 BCN Mexicali, local ad 1021
1242 KBGO 93.1 NV Las Vegas, "Big Oldies" 1079
1253 XHMV 93.9 SO Hermosillo, city ID 745
1255 XHHB 94.7 SO Hermosillo, "Radio Sonora" 745
1302 X??? 92.3 SO Hermosillo, city ID 745
1323 XHFL 90.5 SO Ciudad Obregon, city ID 710
1354 XHH? 90.7 SO Hermosillo, city ID 745
1359 KCMJ 92.7 CA Indio, "Arrow 92.7" 1078
1401 KTWV 94.7 CA Los Angeles, area ad 1187
1422 XHBA 104.1 BCN Mexicali, cx 1020
1425 XHSU 105.9 BCN Mexicali, "Baja" 1021
1427 KKLQ 106.5 CA San Diego, local ad 1115
1428 KTTI 95.1 AZ Yuma, k, local ad 957
1431 KWST 94.5 CA Brawley, area ad 1027
1433 KMXZ 94.9 AZ Tucson, "Mix 94.9" 757
1433 KRQQ 93.7 AZ Tucson, state ad 757
1433 KJOK 93.1 AZ Yuma, local ad 975
1500 KGMX 106.3 CA Lancaster
1501 KDUQ 105.7 CA Ludlow, traffic 1089
1504 KDUC 94.3 CA Barstow, //KDUQ 1142
1511 KLUK 107.9 NV Laughlin, local ad 997
1515 XHSLR 107.9 SO San Luis Rios Colorado, local ad 979
1520 KVBC 105.1 NV Las Vegas, traffic 1080
1522 KEZN 103.1 CA Palm Desert, area psa 1091
1522 KVVO 103.1 CA Victorville, area ad 1148
1524 KOLA 99.9 CA San Bernardino, area ads, ID 1140
1548 KRCY 105.9 AZ Kingman, "Crazy" 997
1550 KJUL 104.3 NV North Las Vegas, "Jewel" 1079
1553 KOMP 92.3 NV Las Vegas, local ads 1079
1557 KLUC 98.5 NV Las Vegas, local ad 1054
1607 KZHK 95.9 UT St. George, "The Hawk" 1000
1614 KSNN 93.5 UT St. George, "Sunny 93.5" 1012
1621 KSSD 92.5 UT Cedar City, area ad 1020
1634 KBRE 94.9 UT Cedar City, ID 1011
6/23 Tr
1648 KODM 97.9 TX Odessa, ID 267
6/24 Es
1526 WWKA 92.3 FL Orlando, local ad 1058
1529 WMFE 90.7 FL Orlando, ID 1058
1720 KRAI 93.7 CO Craig, town ID 921
1720 KZBQ 93.7 ID Pocatello, ID 1205
1723 KLZY 92.5 WY Powell, "Z-92" 1189
1732 KTAG 97.9 WY Cody, ID 1189
1736 KMTN 96.9 WY Jackson, area nx 1177
1743 KYCS 95.1 WY Rock Springs, area/local ad 1026
1813 KQSW 96.5 WY Rock Springs, k, "Q-96" 1015
1824 KSPN 97.7 CO Aspen, ID 830
1824 KSLV 95.3 CO Monte Vista, ID 710
1852 KHIH 95.7 CO Denver, local ad 803
1855 KVOD 92.5 CO Greeley, cx 817
1857 KKMV 92.5 ID Rupert, area ID 1220

Dyer continued

6/25 Es

0859	KELO	92.5	SD	Sioux Falls, ID 978
0913	KRGI	96.5	NE	Grand Island, ID 788
0921	KVOD	92.5	CO	Greeley, cx 817
0927	KUWK	91.9	WY	Laramie, net ID 904
0931	KMGW	94.5	WY	Casper, "Star 94" 1012
0935	KHIH	95.7	CO	Denver, "K-High" 803
0935	KCCY	96.9	CO	Pueblo, area ad 734
0940	KXPK	96.5	CO	Evergreen, "The Peak" 817
0950	KYGO	98.5	CO	Denver, ID 807
1000	KUWZ	90.5	CO	Rock Springs, net ID 1026
1239	KZHT	94.9	UT	Provo, area ad 1061
1244	KUBL	93.9	UT	Salt Lake City, "K-Bull" 1089
1246	WCVS	96.7	IL	Virden, ID 862
1247	KBZN	97.9	UT	Ogden, area ad 1089
1248	KBEE	98.7	UT	Salt Lake City, "B-98.7" 1085
1248	KSOP	104.3	UT	Salt Lake City, ID 1089
1253	KSOS	106.9	UT	Brigham City, ID 1125
1255	KKMV	92.5	ID	Rupert, area ad 1220
1257	KJYE	92.3	CO	Grand Junction, ID, huge xltr list 880
1259	KYFO	95.5	UT	Ogden, ID, rel 1118
1301	KEKB	99.9	CO	Fruita, ID 880
1307	KVFM	94.5	UT	Logan, "The Fox" 1138
1311	KPKY	94.9	ID	Pocatello, area ad 1206
1319	KZBQ	93.7	ID	Pocatello, area/local ads 1205
1320	KQSW	96.5	WY	Rock Springs, local ad 1015
1334	KRAI	93.7	CO	Craig, ID 921
1337	KMTN	96.9	WY	Jackson, ID 1177
1339	WKLQ	94.5	MI	Holland, "KLQ" 1160
1347	WDEK	92.5	IL	DeKalb, local ad, ID 1018
1353	WZTR	95.7	WI	Milwaukee, ID 1111
1926	KBYZ	96.5	ND	Bismarck, "The Fox" 1189
1927	KQDY	94.5	ND	Bismarck, "KQ-Country" 1213
1929	KQSD	91.9	SD	Lowry, SD net ID 1095
1958	KCGM	95.7	MT	Scobey, area ads, ID 1383
2004	KVCK	92.7	MT	Wolf Point, ID 1347
2016	KDZN	96.5	MT	Glendive, area ad 1262

6/26 Es

1832	WYGY	96.5	OH	Hamilton, k, "Y-96" 1060
1838	WCOL	92.3	OH	Columbus, ID 1141
1839	WCLV	95.5	OH	Cleveland, cx 1265
1839	WQMX	94.9	OH	Medina, ID 1245
1848	HNB	109.2	IN	Huntingburg, VOR 900
1912	WNCI	97.9	OH	Columbus, ID 1142
1920	WCLR	95.7	OH	Piqua, area ads 1097
1921	WZJM	92.3	OH	Cleveland Heights, "Jammin' 92.3" 1265

6/27 Tr

1018	XHSRO	92.5	NL	Monterrey, "Stereo Rey" 284

6/29 Es

1102	WQPW	95.7	GA	Valdosta, area ad, "FM 96" 929
1109	WNFB	94.3	FL	Lake City, local ad 943
1110	WNDT	92.5	FL	Alachua, "Wind FM," area towns 973
1844	WZQQ	97.9	KY	Hyden, ID 1038
1900	WYGE	92.3	KY	London, area ads 995
1907	WXCC	96.5	WV	Williamson, PSA, "Coal Country" 1095
1910	WBTQ	93.5	WV	Buckhannon, ID 1236
1911	WSEK	97.1	KY	Somerset, area ad 960
1912	WSIP	98.9	KY	Paintsville, state ID 1073
1916	WBES	94.5	WV	Dunbar, ID 1145

The ICKF item had been often-logged since 1994, but it was never located. A searchable database was found at http://www.aimav.com/ which has info on US airports and their navaids (VOR, ILS, NDB). June FM Es levels definitely down from some recent years here. 73, Pat - WA5IYX

John Zondlo - 4009 Driftwood Circle - Yukon, OK 73099 - Jpzondlo@aol.com CDT all new

Akai AT-VO4 tuner (IF mod w/2 180 kHz filters), CM Stereo Probe 9 antenna

6/18 Tr

0130	K202BY	88.3	OK	Enid, KEAR txltr
0206	KMAJ	107.7	KS	Topeka, "Majic 108," local KRXO running on exciter power only, tower zapped by lightning

6/20 Tr

0957	KLZK	104.3	TX	Brownfield, r, Fina spot
1000	KEJS	106.5	TX	Lubbock, tejano, ID
1005	KQLM	107.9	TX	Midland, restaurant spot (place real close to my in-laws)

6/25 Es

1353	KFLR	90.3	AZ	Phoenix, fundraiser
1400	KSWG	94.1	AZ	Wickenburg, ID

6/30 Tr

1000	KOCV	91.3	TX	Odessa, ID
1000	KAVW	90.7	TX	Amarillo, ID
1011	KXXL	101.3	TX	Crane, I
1021	KQRX	95.1	TX	Midland, "The X"

7/1 Tr

0242	KRNB	105.7	TX	Decatur, calls, local KROU is off all night
0934	KEND	106.5	NM	Roswell, spots, first day of UFO festival.....coincidence????
0949	KWUA	102.3	NM	Clovis, local nx
0956	KSMX	107.5	NM	Clovis, "Retro 107.5"
0957	KIXN	102.9	NM	Hobbs, k, "Kicks 103"
1002	KWMW	105.1	NM	Maljamar, ID
1033	KMTH	98.7	NM	Maljamar, Texas A&M feature

7/2 Tr

0119	KZLE	93.1	AR	Batesville, contest rules
0121	KGMO	100.7	MO	Cape Girardeau, calls
0141	KWOZ	103.3	AR	Mountain View, calls
0159	KZRB	103.5	TX	New Boston, ID
0226	WYNU	92.3	TN	Milan, "Power 92.3"
0234	KUAP	89.7	AR	Pine Bluff, promo, calls
0255	KOLL	94.9	AR	Maumelle, ID, "Cool"
0307	WWEZ	97.5	TN	Trenton, "EZ-97.5"

7/3 Tr

0048	KCIL	107.5	LA	Houma, calls

Conditions continue real weak in these parts. As I type this (7/15), I'm still waiting on the first really good Es opening of the season. Hope the Perseids shower is worth working this year....the last two have been rather poor. 73

==========

From the Editor

Great to have this many contributors despite the poor Es conditions so far this season. Seems the only one getting anything is Pat Dyer.

If you're looking for info on radio-TV stations in Oklahoma, Texas or Louisiana, here's a webpage to try. It's http://www.metronet.com/~chipk/. Lotsa good info, tho there are a number of stations missing.

See y'all next month!

NORTHERN FM-DX

GREG CONIGLIO
90 SLATE CREEK DR. APT #3
CHEEKTOWAGA, NEW YORK 14227

e-mail: coniglio@localnet.com

For DXers in: MA,NH,VT,CT,MA,RI,NY,PA,NJ,OH,MI,IN,IL,WI,MN,IA,NE,SD,ND,MT,WY,ID, WA,OR,AK,Canada

AUGUST 1997 DEADLINE: The 5th LOG CUTOFF: 3 mos. from postmark

SKIP SEASON VERY POOR SO FAR. No one has really noted any major openings, except for June 26th (too early to tell how widespread that opening was) There has not been any report of huge tropo ducting, either. Let's hope July is a great month, so that 1997 is not a complete bust. Speaking of July, I will be away for most of the month, so I have to get both of these columns in very early. If you sent a report in by the deadline and you don't see it - sorry! Look for it in the September VUD. If you have had some DX, why not share it with us!

JOHN EBELING - 9209 VINCENT AVE. SO. - BLOOMINGTON, MINNESOTA 55431
or: 6483 COUNTY ROAD 47 - ALBORN, MINNESOTA 55702

FROM BLOOMINGTON, MINNESOTA:

MARCH 1997 DX

18 TR

2307	WUSK	96.1	WI	Tomah, "US 96", k	151

19 TR

1630	WBJI	98.3	MN	Blackduck	209
1637	KOLV	100.3	MN	Olivia	82
1900	KDEZ	96.1	MN	Crookston	258

APRIL 1997 DX

11 TR

2243	K297AF	107.3	MN	Red Wing (KRCH 101.7)	43

22 TR

1630	K241AC	96.1	MN	Red Wing (KFMX 102.5)	43

23 TR

1636	KKDM	107.5	IA	Des Moines	225

WIRR 90.9 FM CLASSICAL MUSIC ***WIRN 92.5 FM*** NEWS & INFORMATION

FROM PROSIT, MINNESOTA:

JANUARY 4, 1997 DX

2000	WIRN	92.5	MN	Buhl (another MN public radio local - damn)	

MAY 1997 DX

18 TR

1030	W203AL	88.5	MN	Duluth	29

18 ES

1338	K201CY	88.1	NM	Clovis (NOTE 1)	1035

22 TR

2330	K236AD	95.1	MN	Grand Rapids, KADU 90.1	45
2331	K280CO	103.9	MN	Gilbert, KADU 90.1	-

30 ES

1630	WRJA	88.1	SC	Sumter	1111
1630	unID	88.5	??	American Family Radio xltr	
1630	WETS	89.5	TN	Johnson City	909
1635	WSCI	89.3	SC	Charleston	1189
1640	WWWZ	93.3	SC	Summerville Z93 Jamz	1169
1643	WCOS	97.5	SC	Columbia	1084
1644	WMXT	102.1	SC	Pamplico	1136
1649	WSQN	102.9	SC	Scranton	1132
1651	WYAV	104.1	SC	Conway	1170

JUNE 1, 1997 ES

2200	KUHF	88.7	TX	Houston	1200

NOTE 1: 3 xltrs of KLYT 88.3 Albuquerque "K-Lite" possible. Based on TV (Ch2 reception), K201CY is most likely. K201BJ Alamogordo & K201CC Las Cruces were eliminated. Regards, John E.

GREG CONIGLIO - 90 SLATE CREEK DR. #3 - CHEEKTOWAGA, NEW YORK 14227

Equipment: Carver TX-11a Tuner, Radio Shack VHF/FM combo antenna sitting on balcony, ~ 8' AGL, RG-59 coax, no amplification or phasing

MAY 30, 1997 ES (MUF 103.7)

1839	KKOT	93.5	NE	Columbus	957
1841	KRBB	97.9	KS	Wichita	1034
1845	KCHZ	95.1	KS	Ottawa, "Channel Z"	916
1850	KANR	92.7	KS	Belle Plaine, CNN nx	1056
1853	KOTE	93.5	KS	Eureka, k, local ads, received verification	985
1855	KFDI	101.3	KS	Wichita, k	1046

JUNE 1997 DX

10 GW

0830	WHUG	101.9	NY	Jamestown, x-101.7	57

21 TR

Cleveland area very strong in the evening, nothing new

JUNE 1997 DX

26 ES (MUF 107.9)

1935	WMKR	94.3	IL	Taylorsville, calls, Illinois mentions, SHORT SKIP	***593***
1936	KICT	95.1	KS	Wichita, ads	1045
1938	KZBZ	104.9	KS	Salina, Breezy	1021
1943	KPLA	101.5	MO	Columbia, local ads	760
1947	KBHT	93.5	TX	Crockett, local ads	1226
1948	KHBM	93.5	AR	Monticello, legal ID	951
1951	KRRV	100.3	LA	Alexandria, k	1003
1952	(KQRC)	98.9	KS	Leavenworth, current rock format, ex: KCWV	864
1954	unID	105.1		"The Gator", oldies	

MORE DX ON PAGE 27....

EASTERN TVDX

AUGUST 1997

WILLIS MONK - WB5KHD P.O. BOX 1452 COLLEGEDALE, TN 37315

IT is still late June as I write this, for the August issue. I was wonderiing if we had a good time at the WFTVDX convention.

I will assume that all did have a great time, and a tip of the old hat to John Broomall for makeing all the arrangments and for providing a great time in Atlanta.

PROPAGATION:

For a great article on E-skip propagation--check the April and May 1997 issues of CQ magazene. Even thow I don't agree with all their findings it is still a well written and informative article.

Also there is a very good propagation report in the back of each issue. Jacobs even forcast VHF propagation, at times.

METEOR SHOWER DX:

This is a reminder that this is the month for the Perseids metoor shower. this is normally THE best time of the year for this type of propagation. Remember to report you shower dx to your editor. I'm still working on an article for this type of DX. I found that theres more to this than I have the time to devote to writing.

-...-

DOUG SMITH 1385 OLD CLARKSVILLE RD PLEASENT VIEW, TN 37146

EQUIPMENT: SEARS 19" COLOR STEREO TV/ ARCHER VU-160 FOR VHF/ RS CORNER REFLECTOR FOR UHF/ WITH CM-7475 PREAMP.

JUNE 1997

02 Es	0917	unID-3			
	0938	CBWFT-3	MB	WINNIPEG	1060
	0947	unID-2		PBS	
	1020	CBWT-6t		ED PROGRAM	
07	1200	unID-3		XEW-2 RELAY	
09Es	1359	KIII-3	TX	CORPUS CHRISTI	
	1415	KRIS-6t	TX	NBC	
	1427	KGBT-4	TX	HARLINGTON	948
	1500	KPRC-2	TX	HOUSTON	677
Tr	2150	WDKA-49	KY	PADUCAH	129

DOUG SMITH'S REPORT CONT.,

JUNE 1997

10Es	1128	XEFB-2	NL	MONTERREY	1075
	1131	KIII-3	TX	CORPUS	861
	1145	XHPN-3	CL	PIEDRAS NEGRAS	
	1200	XHWX-4t	NL	MONTERRY	
13Es	0930	unID-6			
14Es	1023	WLBZ-2	ME	BANGOR	1120
		unID-3		CANADA	
20Tr	0030	W54AE, WQTV-LP 46, W52AZ WEST KY			
	0045	KPLR-11, KETC-9		ST. LOUIS	231
		WXIN-59, WIIB-63 INDIANA			220
	0134	K39CP	MO	POPULAR BLUFF	189
	0725	W49AX	KY	LOUISVILLE	152
		WCLJ-42	IN	TBN	214
		WSTR-64	OH	CINCINNATI	238
22Tr	0900	VARIOUS LPTVs- NORTH ALABAMA, MISS., K45CA MO			
24Tr	0828	WFYI-20	IN	INDY	246
		W18BL	TN	ADAMSVILLE YBN	
		K45CA	MO	CAPE GIRARDEAU	
		WMC-5	TN	MEMPHIS	178
25Es	1100	unIDs TO CHANNEL 5 TO WEST TEXAS			
26Es	0923	KREG-3	CO	GLENWOOD SPR	1122
		KWGN-2t	CO	DENVER	
29Es	1928	KENW-3	NM	PORTALES	956
		KIII-3	TX	CORPUS	
	1950	XHWX-4t	NL	MONTERRY	
	2015	KENS-5t	TX	SAN ANTONIO	
30Es	2204	unIDS TO CH 3 TO MEXICO			

JULY 1997

1Es	1231	KENW-3	NM	PORTALES MUF 92.3	
Tr	2336	SPRINGFIELD MO 10/ 21/ 33			329
2Tr	0000	KEMV-6	AR	MT. VIEW	293
		KLRT-16	AR	LITTLR ROCK	323
	0023	KTHV-11	AR	LR	323
	0046	KTUL-8	OK	TULSA	476
	0135	KWTV-9	OK	OK CITY	584
	0615	DALLAS 21/ 27/ 33			620
		HOUSTON 20/ 26			677
		KETK-56	TX	JACKSONVILLE	550
		SEE NOTE #1			
2Tr	0629	KHBS-40	AR	FT. SMITH	435
	0721	unID-27		WB ?	
	0835	KXLN-45	TX	ROSENBURG	678
	0900	KARD-14	LA	WEST MONROE	415

NOTE #1: WHILE I'VE HAD NUMEROUS HOUSTON OPENINGS, AND SEVERAL DALLAS OPENINGS, IN THE PAST, THIS IS THE FIRST TIME BOTH CITIES HAVE BEEN IN AT THE SAME TIME. NOTHING IN BETWEEN (WACO, BRYAN, ETC.) WAS IN THOUGH.

EDITORS NOTE: KWTV-9 OKLAHOMA CITY WAS ONE OF THE FIRST STATIONS TO HAVE A TOWER OVER 1,000 FT TALL. THE CALL STANDS FOR WORLDS TALLEST VIDEO, OR SO THEY BILLED THEMSELFS IN 1956 WHEN THE STATION WENT ON THE AIR. I HAVE PICTURES OF THESTATION FROM THAT TIME.

BOB SEYBOLD 1865 W. MAIN RD. SILVER CREEK,N.Y.

THERE HAS BEEN CONSIDERBLE AMOUNT OF DX INCLUDING BOTH Es AND TROPOS IN LAST 2 WEEKS. THERE HAS BEEN SOME VERY WARM AND HUMID CONDITINGS AIDING TROPS AND PROVIDING SOME GOOD CONDITIONS FOR 200 MILE RECEPTION ON A STEADY BASIS. NOTED A FEW OCCASIONS OF GOOD TROPS DURING TIME PERIOD OF 0300TO 0500 CHICAGO STATIONS IN A COUPLE TIMES IN THAT TIME PERIOD ALSO INDY U's. EVEN WITH U's SOUTH BEND OR FT. WAYNE. NO TROPS AT ALL PAST 450 MILES.

DUE TO MY WORK SCHEDULE ONLY E SKIP OBSERVED WAS EVENING OR ON SUNDAYS. NOT MUCH E SKIP ON CHANNEL 5 OR 6. QUITE A BIT ON CHANNEL 2 AND 3 AND SOMETIMES ON 4.

JUNE22 E SKIP AT VARIOUS TIMES ESPECIALLY TO SOUTH (FLORIDA AND GULF COAST). TROPS- 0500 AND 0800 AND EVENING AFTER 2000 EDT FT. WAYNE, SOUTH BEND AND ANGOLA U's. LIMA, BOWLING 27, 35, 44; TOLEDO AND WESTERN OHIO LPTV's.

23- 28 SOME EARLY MORNING TROPS 0500 TO 0730 ON ALL DAYS- FT. WAYNE, SOUTH BEND, ANGOLA 63; INDY 23 AND 59 ALSO WLFI ON A COUPLE OCCASSIONS; CHICAGO 32, 38, 44 AND 6; INDIANA 62 IN JUNE 25 FROM 0300 TO 0800 WITH CHICAGO FADING FIRST- IOWA 32 IN BRIEFLY THE ONLY REAL DISTANT U's RECEIVED LATELY.

JUNE 29- 30 GOOD TROPS TO WEST TO 400 MILES GOOD TO ELMIRA, BINGHAMTON, SCRANTON 0500 TO 0730 AND EVEINGS. SEVERAL EVENINGS FOOD DETROIT, CLEVELAND, TOLEDA IN ALL EVENING WITH EXCELLANT SIGNALS, MANY CANADIAN U's IN SOLID E SKIP WAS EXCELLANT ON JUNE 29 DURING MOST OF THE DAY

GOOD LUCK TO CONVENTION HOST & THOSE ATTENDING . SORRY I COULD NOT MAKE IT,.

-...-

ERIC VOYTKO 1721 DALEWOOD PLACE McLEAN, VA 22101

EQUIPMENT: 6' SCREENED CHANNEL MASTER DISH W/ RDX LABS UA-900 PREAMP; QUANTUMN 1110 AT 20' W/ RG11; ICOM R-7100 AND SONY KV8-AD11 TV.

JUNE 1997

02	Es	2049	KSNC-2	KS	116
04	Es	2045	KBTX-3	TX	1210 VI ID
11	Es	1031	KYTV-3	MO	870
		1058	KJRH-2	OK	103 TULSA
13	Es	0943	KQTV-2	MO	940
		0954	KTVO-3	MO	820
		0958	KGAN-2	IA	820
		0959	KMTV-3	NE	1010
16	Tr	0738	W35BH	VA	150 VA.
BEACH WAVY-10					
			W52BM	NC	300 TBN
		0756	WTAT-24	SC	440
			WRAY-30	NC	210
		0758	WUNU-31	NC	300
			WUNJ-39	NC	320
			W58CD	NC	240
				RALEIGH HSN	
			W38BB	NC	240 TBN
		0804	W19BM	VA	150
		0928	W54BR	NC	230 TBN
17	Tr	0800	W18BS	VA	130 TBN
21	Tr	0730	W53BF	NC	210 ROCKY
MOUNT TBN					
22	Tr	0805	WVIT-30	CT	290

ERIC VOYTKOs REPORT CONT., JUNE 1997

		0810	WBNE-59	CT	280
23	Tr	0656	W56??	NC	240 3ABN
			WHFL-LP-56	NC	240 WSHIP
		0730	WUNU-31	NC	300
			WPDE-15	SC	340
			WWMB-21	SC	370
26	Tr	0700	WFXB-43	SC	370
			WACN-LP-59	NC	RELIGIOUS
			W34AX	NC	190
				+20OFFSET	
	Es	1300	KPRC-2	TX	1230
		1500	KQTV-2	MO	940
		1830	KMTV-3	NE	1010
		2100	KIMT-2	IA	880
		2141	KBTX-3	TX	1210 VIID
29	Es	1400	KLNE-3	NE	1190

ERIC'S COMMENTS: AS PAT DYER REPORTED IN THE JUNE ISSUE KBTX-3 IS INDEED RUNNING THEIR ID IN THEIR VBI. I HAVE SEEN IT TWICE; IT'S REALLY HELPFULL AND EASY TO READ EVEN THROUGH HEAVY CCI. ID READS "KBTX-TV BRYAN, TX". NOT A LOT OF Es THIS SUMMER, BUT MANY NEW LPTV's SEEN FROM NC AND VA. MANY THANKS TO DOUG SMITH FOR LPTV INFO THIS MONTH. ALSO THANKS TO ROY BARSTOW IN MA; HE SPOTS NEW LPTVs IN EASTERN VIRIGINIA EVEN BEFORS I DO.

-...-

ROY BARSTOW BOX 2488 TEATICKET, MA 02536

MAY 1997

24	Tr	0230	W19BX	VA	
		0245	WNCN-17	NC	
		0302	WLFL-22	NC	
		0303	WRDC-28	NC	
		0330	W34AX	NC	
		0400	WJZ-60	MD	
		0458	WRAY-30	NC	GSN
		0500	WRMY-47	NC	
25	Tr	0110	W22BM	NJ	BOX
		0145	W33AK	NH	

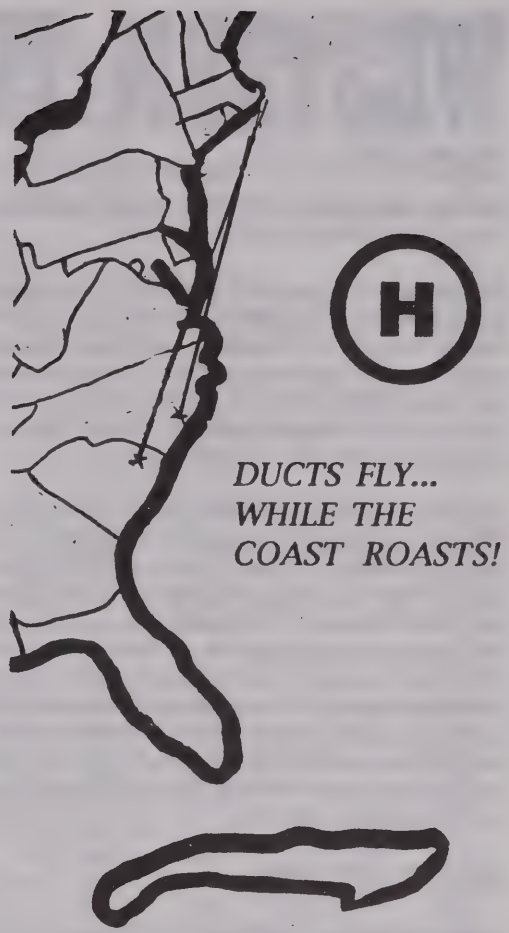
JUNE 1997

9	Tr	2105	CIHF-45	NS	
		2125	CBHT-24	NS	
		2126	CBHFT-34	NS	
11	Tr	2130	WUNJ-39	NC	
		2300	WMMP-36	SC	
12	Tr	0045	WTAT-24	SC	
		0100	WHMC-23	SC	
		0112	WJWJ-16	SC	
		0205	WFXB-43	SC	
		0245	WVIR-29	VA	
15	Tr	A GOOD NIGHT			
		2240	WCPB-28	MD	
		2315	WTVD-37		
		2335	WSFX-26	NC	
		2340	WRAY-30	NC	
16	Tr	0001	W34AX	NC	
		0008	WRAZ-50	NC	
		0015	W38BB	NC	TBN
		0030	WUNU-31	NC	
		0035	WUNP-36	NC	
		0040	WYDO-14	NC	
			WNCN-17	NC	

ROY BARSTOWs REPORT CONT.,
JUNE 1997

		WUNJ-39	NC	
	LAST 3 IN LIKE GLASS			
	0042	WHTV-19	VA	
	0045	W58BR	MD?	HSC
	0050	W14BN	VA	BOX
	0110	WMMP-36	SC	
	0112	WTAT-24	SC	
	0130	W27AJ	DE	(WMDT-47)
	0140	WPDE-15	SC	
	0210	W20AL	NC	(WNVN TBN)
	0230	W56CC	SC	(WEYB)
	0250	WFXB-43	SC	
	0400	WTGS-28	SC	
	0415	W25AW	NJ	
1 Tr	0000	WTAT-24	SC	
	0005	WMMP-36	SC	
		W36BK	VA	
	0010	W18BB	NC	
	0130	WPDE-15	SC	
	0147	WWMB-21	SC	
	0245	WWAY-3	NC	ON CH 44
	0305	W20AL	NC	TBN
	0445	W21AL	NC	TBN
	0500	WJCL-22	GA	
	0510	W53BE	NC	TBN
		WFXI-8	NC	ALL AFTERNOON

COMMENTS: W19BX-VA ON WITH VALUE VISION, WHTV U/R ON SCREEN. ALSO ON 24MAY, 13 IN LARGE LETTERS, WJZ ON CARD ON CH 60 MOST LIKELY A PHANTOM! AGAIN WTVD-11-NC COMING IN ON CH 47.ON 16 JUNE HSC CAUGHT ON 58, TEL. # 1-800-284-7171, NOT THE SAME NUMBER AS OTHER HSC STATIONS SEEN. ALSO ON 16 JUNE, 27 MA AND 27 VA BOTH OFF AND NOT TESTING TO ALLOW W27AJ TO COME IN. LOOKING FOR THIS ONE FOR MANY YEARS.Es NOTED MOSTLY TO THE WEST. NOTHING TO WRITE HOME ABOUT.



NORTHERN FM DX — AUGUST 1997

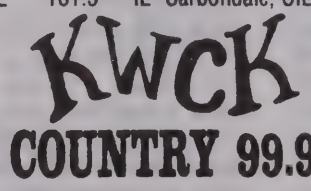
Greg Coniglio's report continues ...from PAGE 24

JUNE 26 ES CONT

1955	KMAG	99.1	AR	Fort Smith, K-Mag	959
2000	KZBB	97.9	OK	Poteau, legal ID	1007
2003	KCHZ	95.7	KS	Ottawa, legal ID	916
2006	unID	104.7	AR	"Cool 104.7", AR weather	
2009	KWCK	99.9	AR	Searcy, Quick 99.9 and local ads, well over CKFM Toronto	871
2016	WDKS	106.1	IN	Newburgh, FIRST ever ES reception to Indiana, "The New 106.1 Kiss FM" and ads for "Thunder On The Ohio", report sent. Very strong at times. VERY SHORT E-SKIP	***568***
2025	WASL	100.1	TN	Dyersburg, SL-100, ads	736
2027	KLXQ	96.7	AR	Hot Springs, rp, calls	959
2030	KSKU	106.1	KS	Lyons, calls, CHR	1065
2034	KYYS	102.1	MO	Kansas City, ad for car dealer on Shawnee Mission Pkwy, o/CFNY	865
2035	WVRY	105.1	TN	Waverly, Solid Gospel 105 strong at times, but no sign of sister station WBOZ 104.9. WVRY 104.9 heard back in 1987	673

JUNE 26 ES CONT

2040	KSSN	95.7	AR	Little Rock, Kissin wx	923
2045	KXKZ	107.5	LA	Ruston, legal ID jx	1046
2046	WGKX	105.9	TN	Memphis, Kicks	796
2047	{KVLO}	102.9	AR	Sheridan, local ads over CKLH, ex: KEZQ	936
2049	WYMX	99.1	MS	Greenwood, Max 99	892
2050	WWEZ	97.5	TN	Trenton, EZ 97.5 wx	721
2053	KUUZ	95.9	AR	Lake Village, The Cuz	939
2059	WKDZ	106.3	KY	Cadiz, "Real Country 106.3 WKDZ", FIRST ever ES to Kentucky	634
2100	WCLD	103.9	MS	Cleveland, s, calls	902
2101	KIYS	101.9	AR	Jonesboro, Kiss FM	798
2106	WCIL	101.5	IL	Carbondale, CIL-FM	657



June 26th was my first decent opening at this new location. It was a very good opening, lasting for awhile, having decent signal strengths, and the extremely short Es popping in for most of the opening. On average, the opening had short distances, with W. Tenn and Arkansas being dominant, both areas being slightly "short". May 30th was a very short opening. Other than that, NOTHING. It will take a very good July to salvage 1997 from being one of the worst ever. And I'll be gone most of the month! Oh well, see you in Atlanta!

WESTERN TV-DX

Victor Frank
12450 Skyline Blvd.
Woodside, CA 94062-4541
email frank@sneezy.sri.com
(415)851-7031

August 1997

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805) 687-7803

This report is for June 1997. I was at Wasco again, on weekend of June 6-8, looking for sporadic-E, but the only Es seen was on Saturday, June 7, on a Panasonic color set with 1-bay conical, on ch. 2, for one minute at a time at 1358, 1416, 1418, 1420, and 1426; on ch. 4 at 1402 (B&W signal, no audio); and ch. 2 for 4 minutes at 1430-1434. No IDs--heck.

Back in Santa Barbara. I didn't keep track of southern CA tropo conditions as closely as I could have. It was fairly good May 26 to June 1, then possible nil after that until approx. June 8, and was then at least fair (to San Diego/Tijuana, 175-200 miles) through June 28, and improved to good on June 29, then nothing June 30, and fair again as of this writing on July 1. The improvement on the 29th may have been due to either a more pronounced inversion-layer boundary or a lowering of the boundary from the usual 1500+ feet ASL to something below 1000 feet (probably the latter)(my elevation is aprox 300 feet).

Best of DX to all. Dennis

Fernando Garcia, San Salvador 415, Rincon de la Sierra, Cd Guadalupe, NL, 67181 MEXICO

1800' ASL, no relogs, all tropo over 500+ miles

June,1997					CDT
2	0530	KAMC	28TX	Lubbock ABC	553
		KXTQ-LP	46TX	Lubbock TMD	552
	0615	KBZO-LP	51TX	Lubbock UNI	558
	0630	K36CC	36TX	Kress KVII-7	611
		KCIT	14TX	Amarillo FOX	677
	0655	KCBD	11TX	Lubbock NBC	555
		KLBK	13TX	Lubbock CBS	554
	2315	WNOL	38LA	New Orleans WB	694
		WLAE	32LA	New Orleans Educ	694
		WGNO	26LA	New Orleans ABC	694
3	0400	WUPL	54LA	Slidell UPN	705
	0545	KADN	15LA	Lafayette FOX	586
		KVHP	29LA	Lake Charles FOX	530
	0645	KLPB	24LA	Lafayette LPB	567
12	0530	KDFI	27TX	Dallas	518
		KDTX	58TX	Dallas TBN	518
	2000	WVLA	33LA	Baton Rouge NBC	633
	2115	KLTL	18LA	Lake Charles LPB	548
13	0300	KLAX	31LA	Alexandria ABC	618
				Shop at Home at the time	
		KARD	14LA	West Monroe FOX	659
	$	KMSS	33LA	Shreveport FOX	615
		KETK	56TX	Jacksonville NBC	533
		WCCL	49LA	New Orleans HSN	688
		KFXK	51TX	Longview FOX	557
		K65CE	65LA	Shreveport TBN	615
		KFWD	52TX	Fort Worth TMD	522
	0330	K62DW	62LA	Lafayette UPN	589
		WNTZ	48MS	Natchez FOX	670
	0345	WPMI	15AL	Mobile NBC	838
		WMPV	21AL	Mobile TBN	842
	0400	K67GL	67LA	Bunkie //WNTZ-48	614
	0530	WLPB	27LA	Baton Rouge LPB	638
	0545	KLTS	24LA	Shreveport LPB	616
	0600	KMCT	39LA	West Monroe Rel.	679
		WDBD	40MS	Jackson FOX	754
		WAPT	16MS	Jackson ABC	754
		WMAH	19MS	Biloxi MS educ	770
		unid	31 rel. n. ne of KLAX		
	0615	WGMB	44LA	Baton Rouge FOX	633
		WMPN	29MS	Jackson MS educ	747
	0700	KXTX	39TX	Dallas	518
		KINZ	68TX	Arlington	518
		KLDT	55TX	L.Dallas Shop at Home	544
	0715	KDAF	33TX	Dallas	518
		KHSX	49TX	Irving HSN	518
		KTXA	21TX	Fort Worth	518
	2000	WAFB	9 LA	Baton Rouge CBS	638
		WVUE	8 LA	New Orleans FOX	693
	2115	XHBE	11VE	Coatzacoalcos XHDF-13	636
		XHTVL	9 TAB	Villahermosa ind.	705
	2200	XHLL	13TAB	Villahermosa XHGC-5	705
		XHVIH	11TAB	Villahermosa XHIMT-7	705
	2245	WPAN	53FL	Fort Walton Beach	869
		XHSTAt	7 TAB	Villahermosa	
14	0115	WHBR	33FL	Pensacola Rel.	838
		WEIQ	42AL	Mobile APT	825
15	0030	K59DG	59LA	New Orleans TBN	688
		WHNO	20LA	New Orleans Rel.	688
	0100	WXXV	25MS	Gulfport FOX	764
16	0530	KSHV	45LA	Shreveport UPN	616
20	0530	K56DR	56LA	Baton Rouge TBN	633
		K55HA	55LA	New Iberia UPN	596
	0615	K69HD	69LA	Church Ponint UPN	586
	0630	WMAU	17MS	Bude MS educ	697
		KLPA	25LA	Alexandria LPB	619

July 1997					CDT
04	0115	WBHS	50FL	Tampa	1116
		WPBA	30GA	Atlanta	1103
		WGNX	46GA	Atlanta	1104
	0130	WUPA	69GA	Atlanta	1100
		WATL	36GA	Atlanta	1104
	0145	WLTZ	38GA	Columbus	1036
	0215	WTLK	14GA	Rome	1105
		WTBS	17GA	Atlanta	1101
	0245	WHSG	63GA	Monroe	1119
	0645	WABW	14GA	Pelham	1048

Western TV DX *(F. Garcia's report continues)*

00+ miles tropo openings were also observed on the , 19, 21, 22, 27, 28 and 29 of the month. This month f June is noted as the best month of June for more ifferent logged stations of 500+ miles from Texas ith 18 stations. The big log absence for this month re: State of Oklahoma logged every June in the last 5 ears. State of Arkansas logged every June in the last years. Best day was the 13th with the furthest log or the month, WPAN-53 FL, and the rare opening nto deep south Gulf of Mexico: states of Veracruz nd Tabasco. Best signal was XHTVL-9 with snow ee picture.

3's Fernando

---

anny Oglethorpe, P.O. Box 6688, Shreveport, LA 1136-6688

quipment: Zenith System 3 19" TV, Sanyo VHR-428 VCR; Sanyo 19" TV, Goldstar GHV-1280M CR w/RDX UA-75 UHF balun; Winegard CA-5254 HF at 18' AGL, CM 9510A rotor; Antennacraft hicken-wired P-5 dish w/Winegard GA-4500 preamp t 25' AGL (to feedpoint), Archerotor B. Used inside s needed: Archer 15-1113B preamp w/hybrid splitter o feed Es signals into both TVs/VCRs from CA-254; FasTrap bullet trap for channel 3. Beldon uad-shield RG-6 on antennas.

						UTC
May 1997						
5 Es	2159	CKND2	2	MB		1279
	2205	unIDs	2,4,5	Mexico		
	2335	KVVU	5	NV		1238
6 Es	0045	XHG	4	JAL		1003
	0130	KNAZ	2	AZ		1045
	0130	KASA	2	NM		753
	0229	KACV	2	TX		501
	0240	KOB	4	NM		764
tr	0300	XERV	9	TA		513
	0320	XHAB	7	TA		503
Es	0330	KPHOt	5	AZ		
tr	1515	OK City	4,5,9,13,25,43			303
Es	1735	KUTV	2	UT		1160
	1750	KWGN	2	CO		806
	1815	KCWCt	4	WY		
	1900	KTVQ	2	MT		1215
		KTWO	2	WY		996
	1935	unID	2	XEW		
	2027	WUND	2	NC	UNCTV	1031
	2140	KGAN	2	IA		672
7 tr	0030	Valley	5,7,9,17,23,48			
	0100	Coastal Bend	6,10,16,25			
8 Es	1830	XHHHN	2	OAX	XHGC-T w/ID supered 1857	1050
		unIDs	2	XEW, others		
9 Es	1830	XHHHN	2	OAX	Note #1	1050
		unIDs	2,4	XEW, TV Azteca		
0 Es	1210	unIDs	2	CTV, others		
	1232	WBAY	2	WI		892
	1325	KTWO	2	WY		996
	2040	CBFT	2	PQ		1414
	2325	unIDs	2	Canada, US		
31 Es	0003	CHBX	2	ON		1098
	0105	KASA	2	NM		753
	0345	unID	2	Mexico		
	2125	unID	2	XEW		
	2345	WJBK	2	MI		904
	2355	WDIV	4	MI		904
June 1997						UTC
01 Es	0002	CKCO2	2	ON		1103
	0022	CHBX	2	ON		1098
	0058	WBBM	2	IL	New Logo	737
	0110	WNEM	5	MI		943
	0159	KDKA	2	PA		945
		CBFTt	2	Hockey; French		
	0225	WMAR	2	MD	Telethon	1072
	0240	WDTV	5	WV		876
	0250	WGRZ	2	NY		1091
	1603	WMAR	2	MD	Telethon contin.	1072
	1658	WESH	2	FL		789
	1759	WSJK	2	TN	Public TV of East TN	665
	1855	KUTV	2	UT		1160
	1940	KACV	2	TX	Note #2	501
	2040	KTVX	4	UT		1160
		KSL	5	UT	Telethon	1160
	2110	KOAA	5	CO		734
	2120	KWGN	2	CO		806
	2210	KCNC	4	CO		806
	2300	KCWC	4	WY	WY PTV	1071
	2320	KTWO	2	WY		996
02 Es	0150	WGRZ	2	NY		1091
	0223	WDTN	2	OH		735
	0235	CKPR	2	ON	TBT Nx 0300	1130
	0301	KDKA	2	PA		945
	0310	KGFE	2	ND	Prairie PTV	1086
	0323	CKND2	2	MB	CKND Newsline	1279
	0410	KTWO	2	WY		996
		KGWNt	5	WY	"CBS5" on Nx	
	1410	unIDs	2	Canada, US		
	1500	KGFE	2	ND		1086
	2245	XHFI	5	CH	XEW w/local ads	778
	2310	XHIT	4	CH	Supered ID 2315	778
	2315	XHBS	4	SI/SO	ID supered 2343	
	2350	KVVU	5	NV		1238
03 Es	0015	KNAZ	2	AZ		1045
	1558	WBBM	2	IL	Nx 1600	737
	1515	WTMJ	4	WI	Nx	801
	1525	WBAY	2	WI		892
	2110	unIDs	2	XEW, others		
	2140	XHG	4	JAL		1003
	2230	KNAZ	2	AZ		1045
	2235	WPBT	2	FL		939
	2258	KWGN	2	CO		806
		KCNC	2	CO	Local Nx	806
	2320	KCWC	4	WY		1071
		KVVU	5	NV		1238
	2340	KPHO	5	AZ	Local Nx 0000	1065
		KNME	5	NM		764
05 Es	1245	WPBT	2	FL		939
	1250	WFOR	4	FL		939
	1427	KUTV	2	UT		1160
	1440	unIDs	2,4,5	Mexico		
	1448	KNAZ	2	AZ		1045
		KTVX	4	UT		1160
	1503	XHY	2	YUC		????
	1655	KXMA	2	ND	KXMB-12 Nx 1700	1110
	1725	KTWO	2	WY		996
06 Es	0030	KASA	2	NM		753

Western TV DX *(D.Oglethorpe's report continues)*

06 Es	0108	KNAZ	2	AZ	1045

Notes:
1. The Televisa station list shows an XHGC-5 relay in OAX on channel 2 with the calls XHHN. On the other hand, the TV Azteca list shows an XHHN-9 in SO. My speculation is that the station in OAX is actually XHHHN-2. XHAP-2 Acapulco is also listed with wrong calls on the Televisa list: XHAG.

2. Twice in seven days. Close Es and very rare catch.

Comments:
Here are some thank yous: to Victor and Doug for information about sources of interference. To Rich Wertman for answering my questions about traps, and for his good products. To Stephen West and Neil Kazaross for their VUD articles on modifying parabolic dishes.

Second report:

June 1997					UTC
06 Es	1520	XHFM	2	VER Note #1	950
	1655	XHAP	2	GR	1142
07 Es	1452	WPBT	2	FL	939
	1500	XHHHN	2	OAX "XHHHNCH2" supered	
		unIDs	2,4	Mexico	
	1800	XHI	2	SO	1026
	2100	KWGN	2	CO "Denver's 2"	806
	2125	KCNC	4	CO	806
	2250	WPBT		back	
		unIDs	2,4	Spanish	
08 Es	0015	WFOR	4	FL	939
	0018	WPTV	5	FL	912
	0028	WTVJ	6	FL "NBC6" logo floating	939
	0040	Cuba	5	Volleyball; Cuba v Korea	
	0050	Cuba	2	//5	
	2312	KUTV	2	UT	1160
	2330	KGFE	2	ND Prairie PTV	1086
09 Es	0115	unID	2	XEW	
	1620	unID	2	Mexico	
	1657	WPBT	2	FL	939
	1701	WFOR	4	FL Logo supered lower right	939
		WTVJ	6	FL Logo floating	939
	1712	WPTV	5	FL	912
	1715	WEDU	3	FL ID floating	743
	1725	WCBD	2	SC New logo since NBC	805
	1755	WJXT	4	FL	728
	1835	WCIV	4	SC	805
	1835	WCSC	5	SC	805
	1840	WUND	2	NC	1031
		WUNC	4	NC UNCTV //2	875
	1842	WRAL	5	NC	896
	1845	WYFF	4	SC ID in bar	676
	1859	WSB	2	GA Nx promo	551
		WSJK	2	TN Public TV for East TN	665
	2035	WDTN	2	OH	735
	2114	WJBK	2	MI	904
10 Es	0020	Cuba	2		
	0037	Cuba	4	Not //2	
	0042	WPBT	2	FL	939
10 Es	0050	Cuba	4	//2	
	1440	unIDs	2,3,4,5	XEW,XHGC-5, others	
	1510	XHY	2	YUC Note #2	
	1515	XELN	4	COAH ID supered top	752
	1613	KNAZ	2	AZ	1045
11 Es	2310	KTWO	2	WY K2	996
12 tr	2220	WTVA	9	MS	319
		Area tropo			
13 Es	1425	KXMA	2	ND	1110
14 Es	1645	CKND2	2	MB WPG-TV	1279
15 Es	1458	WFMY	2	NC	838
	2145	WJBK	2	MI	904
16 tr	1425	WTVA	9	MS	319
		WCBI	4	MS	319
	1445	WMAB	2	MS METV	274
17 Es	2300	WMAR	2	MD	1072
		WUND	2	NC	1031
	2315	WBBM	2	IL	737
	2320	CHBX	2	ON Note #3	1098
	2324	WBAY	2	WI	892
	2325	WTOM	4	MI 7/4	1042
18 Es	0035	WJBK	2	MI	904
	0150	Cuba	2	Baseball	
	0158	WPBT	2	FL	939
	1315	unIDs	2	XEW, TV Azteca	
	1358	XHY	2	YUC	
	1858	XHFM	2	VER	950
		unIDs	2,3,4,5,6	SS	
	2100	unID	4	Mexico; "Central 4"	
	2350	Cuba	2	Baseball	
19 Es	1615	WJBK	2	MI	904
	1935	WCBD	2	SC	805
		WCIV	4	SC	805
		WCSC	5	SC	805
	2010	WUND	2	NC	1031
	2020	WUNC	4	NC Sesame St.; //2	875
	2045	WFMY	2	NC	838
	2050	WRAL	5	NC	896
	2110	WESH	2	FL	789
		WPTV	5	FL	912
	2115	WFOR	2	FL	939
		WPBT	2	FL	939
	2123	WJBK		back	
	2129	WDTN	2	OH	735
		WCMH	4	OH	795
	2135	WDIV	4	MI Newsbeat	904
	2158	KGAN	2	IA	672
	2201	WBBM	2	IL	737
	2215	WBAY	2	WI	892
	2220	KXMA	2	ND	1110
20 Es	0040			NC back	

Notes:
1. In a round-about way I discovered that the distance I've been using for Veracruz is incorrect.
2. Does anyone have any information about XHY? I thought the channel 2 was a relay of channel 3. After seeing IDs that show this to be XHY-2 with a big "2" prominently displayed, along with an address at the end of a local interview listed as "XHY-TV2 . . . Merida," I don't know what the situation is here. I've got pretty photos to prove my point.
3. New (since I last saw CHBX last summer) news logos look like channel 6 and 12 station logos. "Where the North get their news" is new slogan.

Western TV DX

Danny Oglethorpe's third report:

June 1997 UTC

21 Es	1915	unIDs	2,4,5	Mexico	
	2045	WJBK	2 MI		904
22 Es	1845	WMAR	2 MD		1072
		unIDs	2,4,5		
	2300	CHBX	2 ON		1098
	2330	WJBK	2 MI		904
	2400	WMAR	2 MD		1072
23 Es	0010	WDIV	4 MI		904
	0015	WGRZ	2 NY		1091
	0018	WRC	4 DC	"Celebrating 50 years."	1042
	0020	WUND	2 NC		1031
	0025	WFMY	2 NC		838
	0033	WUNC	4 NC	UNC//WUND	875
	0050	WTTG	5 DC		1042
	0120	WDTN	2 OH		735
	0155	WESH	2 FL		789
	0200	WPBT	2 FL		939
	0202	unID	2	SS	
	0215	WPTV	5 FL		912
	0255	WBAY	2 WI		892
	1700	unIDs	2,4,5	Televisa, TV Azteca, others	
	1855	XHFM	2 VER	"Telever"	950
	1925	XHAGU	2 AGU	Local NX and ad	896
24 Es	0003	KUTV	2 UT		1160
tr	0430	Houston V and U s/f			
	0530	KEDT	16 TX		385
Es	1845	unID	2	XEW	
	1904	WPBT	2 FL		939
		WFOR	4 FL		939
	1906	WTVJ	6 FL	Montel floating	939
	1910	WPTV	5 FL		912
	2005	XHG	4 JAL	TV4 Guadalajara ID	1003
	2055	unIDs	2,3,4,5,6	Mexico	
	2130	unID	2	XHQ-3 relay	
	2200	XEFB	2 NL	ID	611
	2245	XHFM	2 VER	Little House	950
	2310	KNAZ	2 AZ		1045
	2345	KVVU	5 NV	Very strong; IDs taped	1238
25 Es	0025	KPHO	5 AZ	Floating on KVVU	1065
	0030	FL back			
	0110	KTVX	4 UT		1160
		unID	4	Mexico	
		KSL	5 UT		1160
	0120	KASA	2 NM	"Kasa Fox 2"	753
	0130	KOB	4 NM		764
	0145	KWGN	2 CO		806
	0259	KACV	2 TX	Again!	501
	0310	FL back			
	1835	KNAZ	2 AZ		1045
		XEPM	2 CHIH		746
	1840	KDBC	4 TX		746
	1845	KVVU	5 NV	Super signal again	1238
		KTVK	3 NV	Floating	1247
	1930	KNOP	2 NE		717
	1940	KIVV	5 SD	FOX 7	987
	2013	KTVQ	2 MT	w/ other stations	1215
	2015	KHMT	4 MT	Fox 4	1184
	2050	KXMA	2 ND		1110
26 Es	0055	KOAA	5 CO		734
	0103	KTWO	2 WY		996
	0120	KCWC	4 WY	WY PTV	1071
	0310	KTVX	4 UT		1160
	0315	KGFE	2 ND		1086
	0315	KWSE	4 ND	Prairie//2	1206
	0320	KUTV	2 UT		1160
		KSL	5 UT		1160
	1540	KWGN	2 CO		806
	1559	KTWO	2 WY		996
	1600	KNOP	2 NE		717
	1645	KCWC	4 WY		1071
	1730	WMAR	2 MD		1072
	1753	KGWL	5 WY	"14" ID taped	1071
	1828	KTVQ	2 MT		1215
	1958	WJBK	2 MI		904
		WDIV	4 MI		904
	2020	WTOM	4 MI		1042
	2035	CHBX	2 ON	Jill Armstrong NX promo	1098
	2040	CKCO2	2 ON		1103
		Now w/BBSD-MCTV on ID			
	2215	CKPR	2 ON		1130
	2220	WFRV	5 WI		892
	2228	WNEM	5 MI		943
		WGRZ	2 NY		1091
	2335	WDTN	2 OH		735
	2340	WRC	4 DC		1042
27 Es	0010	WTTG	5 DC	FOX	1042
	0035	WDTV	5 WV		876
	0040	CJICt	5 ON	BBS/MCTV	
	0304	KGAN	2 IA		672
	1530-	XHFM	2 VER	English movie w/subtitles	950
		unID	2	XEW	
	1615	CKPR	2 ON		1130
		WBBM	2 IL		737
	1655	CHBX	2 ON		1098
		WBAY	2 WI		892
	1700	WCCO	4 MN		870
		KTCA	2 MN		869
	1729	KGAN	2 IA		672
		CHFD	4 ON	"TBT 4 and 6"	1130
28 Es	1532	WJBK	2 MI		905
	1645	KASA	2 NM		753
	1710	WBAY	2 WI		892
	1730	WIVB	4 NY	"Part of the Family"	1091
	1745	WGRZ	2 NY		1091
29 Es	1629	WDTN	2 OH		735
	1720	unIDs	2,4,5	Televisa, TV Azteca	
	1840	WESH	2 FL		789
	1915	unID	4	"Central 4;" Mexico	
	2310	Cuba	2		
	2315	WPTV	5 FL		912
	2340	WPBT	2 FL		939
	2350	WBBM	2 IL		737
30 Es	0010	WTOM	4 MI	7/4	1042
	0045	WJBK	2 MI		905
	0320	CKND2	2 MB		1279
	2100	WESH	2 FL		789
	2105	WPBT	2 FL		939
	2145	WFOR	4 FL		939
	2150	Cuba	2	ICRT TP; s/on 2200	
	2220	Cuba	2	Childrens' program	
		Above two different stations			
	2240	Cuba	4	Nx; not //either 2	
	2310	KXMA	2 ND	KXMB-12 Nx	1110
	2358	KPRY	4 SD	KSFY- ID	900

July 1997 UTC

01 Es	1445	unID	2	Canada; 100 Huntley	
	1458	WCBD	2 SC		805
	1512	WCIV	4 SC		805
		WCSC	5 SC	All three gone soon	805

Western TV DX *D. Oglethorpe's report concludes*

	1705	unIDs	2,4,5	XEW,XHGC-5, others	
	1745	KNOP	2	NE	717
		KIVV	5	SD FOX 7	987
	1803	KDUH	4	NE KOTA-3 Nx	852
	1828	KTWO	2	WY	996
02 Es	0245	KTVQ	2	MT	1215

John M Jefferson, 4104 Spyglass Ct., Antioch, CA 94509

Is it really the skip season? Can't prove it by my FM & TV logs! Fully half of the days in June had no observed skip activity -- not even cci on 2! I telecommute two days a week, so I'm only gone three days a week, and then I monitor the car radio during lunch, so I don't think I've missed many significant openings. Anyway, here's what's happened. A @ indicates new to Antioch; underlines mark new loggings to the Diablo Region log.

						PDT
April 22, 1997	Es					
1129	KASA	2	NM	Santa Fe	ID	871
	KACV	2	TX	Amarillo	ID	1125
1232	KMID	2	TX	Midland	Calls	1190
1259	XEPM?	2	CH	Cd. Juarez	XEW TV ID	
May 6, 1997	Es					
1029	KACV	2	TX	Amarillo	Calls	
1100	KMID	2	TX	Midland	ID	
1159	KMID	2	TX	Midland	ID	
1259	KMID	2	TX	Midland..ID w/ 76 & 12 xlators		
1400	KASA	2	NM	Santa Fe	ID, Fox-2	
May 8, 1997	Es					
1759	KREM	2	WA	Spokane	KREM-2	705
1815	KXLY?	4	WA	" " Wx map w/W. Montana		
May 25, 1997	Es					
1646	KNOP	2	NE	N. Platte	Calls	1141
June 1, 1997	Es					
1545	KVOA	4	AZ	Tucson	ID	731
1622	XEPM?	2	CH	Cd. Juarez	XEW ID	
June 5, 1997	Es					
1159	KMID	2	TX	Midland	Big 2, Midland	
June 8, 1997	Es					
1259	KACV	2	TX	Amarillo	ID	
		SL				
1938	KRXI	11	NV	Reno	Fox-11; ads	135
June 17, 1997	Es					
1958	KACV	2	TX	Amarillo	ID	
July 1, 1997	Es					
1959	KXMA@	2	ND	Dickinson	KXMB ID	1148

On June 8, I traded my old GE Superadio w/Elving SCA mods for ch. 3, 10, & 13 traps. KRXI was an instant reward, relaying KTVU-2 except for occasional local spots. Without the trap, they were buried under KXTV-10. KXMA probably was also made possible by the traps, since it's behind KCRA-3.

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

Equipment: 1992 Zenith Sentry - 2 13" color TV, Channel Master 4228A screened 8-bay w/RDX Labs UA-900 preamp for UHF, Channel Master 1114 Crossfire w/RDX Labs UA-702 preamp for VHF, both @ 20' above ground.

						CDT
June 1997						
02 Es	1848	unID	5	XEW5		
02 Es	1923	unID	4	NBC		
	1932	KTVK	3	AZ	103° in lower right!	1245
	1946	KDBC	4	TX	ID	910
	1949	XEJ	5	CH	verified w/help from web!	910
	1959	KVOA	4	AZ	ID, nx	1175
	2021	XEPMt	2	CH	SS floaters o/WBRZ	
04 Es	1855	WTAE	4	PA	ID	930
	1857	WSTM	3	NY	local ads	1145
	1859	WPSX	3	PA	ID	975
07 Es	1214	Cuba?	3		color bars	
	1359	KTVK	3	AZ		1245
	1854	Cuba	3		weather map of Cuba	
	1921	Cuba	4			
09 Es	1944	unID	3-5		SS--Cuba?	
18 Es	1714	unID	4		SS	
19 Es	2008	unID	3		NBC, PBS	
21 Es	1452	YSU	4	ES	right direction,	
					San Salvador mentioned.	1170
	1453	unID	5		SS cartoon--Guatemala?	
22 Es	1938	unID	3		NBC,CBS to N	
		unID	4		ABC,NBC to N	
24 Es	1802	KPHO	5	AZ		1245
					verified per TV Guide Online	
	1958	KOAA	5	CO		940
					severe t-storms near Eads	
	2031	KTVS	3	CO	ID over PBS 3!	945
25 Es	1958	KHMT	4	MT	New State #32	1380
					Fox 4 ID, Billings mentioned	
26 Es	1829	unIDs	3-5			
	1951	97.7 KCRR			Waterloo IA on FM--no TV ID's today!	
28 Es	1143	KOB	4	NM	Albuquerque Ads	955
29 Es	1853	unIDs	3 and 5			
30 Es	1754	unIDs	3, 4		SS	
	2023	unID	4		"Chicago Hope" to NW KXLF?	
July 1997						CDT
02 Es	1658	KFYR	5	ND	ID	1240
	1752	KOTA	3	SD	"KOTA territory"	1150
	1800	KIVV	5	SD	Fox 7 ID	1180
	1810	KTVS	3	CO	"CBS Newschannel 5"	945
tr	2026	KLRT	16	AR	ID	305

Not a bad June! Got a new state, (actually two, a new Mexican state as well), and a new country! As usual, the Web came through in helping to identify stations within minutes of receiving them.

Pat Dyer, WA5IYX, 5315 Silvertip Drive, San Antonio, TX 78228-2744 pjdyer3@juno.com

all times are GMT, distances are in miles

					UTC
June 1997					
18 Es	0300	WRCB	3	TN	Chattanooga
	0303	WAVE	3	KY	Louisville (xmtr in IN)
	0439	KGAN	2	IA	Cedar Rapids
	1351	WESH	2	FL	Daytona Beach
	1650	WAVE	3	KY	Louisville (xmtr in IN)
	1732	WSAZ	3	WV	Huntington
	1859	WDTN	2	OH	Dayton

Western TV DX *Pat Dyer's report concludes*

	2359	WESH	2 FL	Daytona Beach
19 Es	0022	WEDU	3 FL	Tampa
	2054	KGAN	2 IA	Cedar Rapids
	2114	WAVE	3 KY	Louisville (xmtr in IN)
	2213	WJBK	2 MI	Detroit
	2259	WESH	2 FL	Daytona Beach
20 Es	1559	KDLH	3 MN	Duluth
20 Es	1657	KNOP	2 NE	North Platte (Note)
27 Es	1602	XHVIZ	3 TAB	Villahermosa
28 Es	1622	WJBK	2 MI	Detroit
29 Es	1559	WWAY	3 NC	Wilmington
	1659	WEAR	3 FL	Pensacola
	1718	WESH	2 FL	Daytona Beach
	1727	WEDU	3 FL	Tampa
30 Es	2258	WEDU	3 FL	Tampa
	2331	WESH-	2 FL	Daytona Beach

July 1997 UTC

01 Es	0034	WBTV	3 NC	Charlotte
	0259	KGAN	2 IA	Cedar Rapids
	1608	WAVE	3 KY	Louisville (xmtr in IN)
	1609	WJBK	2 MI	Detroit
02 Es	1709	WBAY	2 WI	Green Bay
	1813	KDLH	3 MN	Duluth
	1940	KXMA	2 ND	Dickinson
	2159	KDLO	3 SD	Watertown
	2228	KIMT	3 IA	Mason City
	2229	KTCA	2 MN	St. Paul
	2243	KOTA	3 SD	Rapid City
06 Es	2040	WSAZ	3 WV	Huntington
	2116	WDTN	2 OH	Dayton
09 Es	2046	XHAPB-	6 BCS	La Paz
10 Es	1559	WAVE	3 KY	Louisville
	1617	WDTN	2 OH	Dayton
	1635	WTWO	2 IN	Terre Haute
	1717	KIMT	2 MO	St. Louis
11 Es	0012	TGV-	3 Gua	Guatemala City

Notes:

June 18: The MUF poked into channel 4 a few times around the 0300Z period, but heavy in-state tropo (from 90° highs) did much to mask any excursions up to the higher frequencies. {next morning} More in-state tropo masking the FM Es MUF determinations difficult again. Lots of unID Mexico TV in 2100-2200Z.

June 19: MUF at least 106.3 @ 2120Z with maybe a faint heterodyne or two to a local 108.4 MHz VOR. Again, a strong Es event at the normal afternoon minima. This is usually indicative of some "leftovers" from a more intense event that was long ongoing beyond my E/NE radio horizon. A wide azimuth spread {was observed} during this.

June 20: So little QSB {fading} was noted on the KNOP-2 signal that for many minutes it was mistakenly thought to be some tropo from the north.

July 1: 1700-1840Z a HUGE amount of unID FM Es from Latin America. Most were likely Guatemala, but some El Salvador and Honduras possible (maybe even Nicaragua.) MUF peak 105.7 @1709Z.

July 6: MUF maybe peaked 96.9 MHz. Earlier intense in-state/Mexico tropo was a hindrance. From the reports on {the Internet} the past few days, it would appear that the most intense Es has been N/NE of the radio horizon here.

Mike Cherry, VE7SKA, Box 631 Ganges PO, Salt Spring Is. BC V8K 2W2 CANADA

June 1997 UTC

14 Es	2041	KTVK	3 AZ	beam 150°
18 ms	1149	KTVQ	2 MT	29 sec burst
	1213	CKCK	2 SK	12 sec burst
20 Es	0259	KTVS	3 CO	beam 120°
30 Es	0259	KSWK	3 KS	beam 125°

July 1997 UTC

01 Es	1758	KREG	3 CO	beam 130°
	1935	KCNC	4 CO	beam 130°
	1955	KWGN	2 CO	beam 130°
	2030	KTVU	2 CA	beam 175°
	2047	KCRA	3 CA	beam 175°
	2158	KASA	2 NM	beam 155°
02 Es	0230	KREG $	3 CO	beam 130°
	0258	KLBY	4 KS	beam 130°
	0300	KSWK $	3 KS	beam 130°

KSWK-3 put in a cable-TV grade signal for about 45 minutes. Clearest, strongest TV Es yet this season.

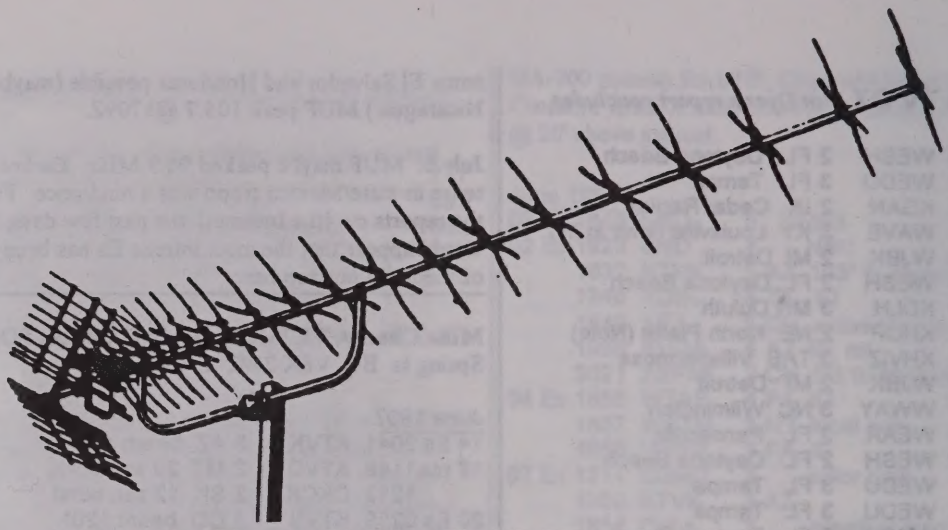
05 Es	2051	KVBC $	3 NV	beam 145°
	2059	KCRA	3 CA	beam 180°
	2100	KRON $	4 CA	beam 180°
	2157	KCBS $	2 CA	beam 185°
	2212	KEYT $	3 CA	beam 185°
	2326	KTVX	2 UT	beam 150°

Postscript from your editor.

My apologies to Fernando Garcia for mileage errors which appeared in June 1997 VUD due to my lack of editorial diligence. The final digit of some of the mileages was pushed off the frame. For instance, the April 6 logging of WMAH should have been 770 miles instead of 77 miles. Since Fernando only posted DX exceeding 500 miles, these errors are obvious.

The California to Hawaii tropo path was open again on July 7 local, with Southern CA seeing most of the action. I did hear the two meter (144.170 MHz) KH6HME beacon from when I got home at 0040Z (8 July) until about 0400Z, but the path loss to here (near San Francisco) would have prevented TV or FM reception even on a clear channel if one were available.

A number of radio amateurs and TV viewers have commented to me that this has been a very slow Sporadic-E season, at least so far!



UHF TV DX ANTENNAS IN THE NEXT CENTURY

by Ken Covington, ASHCO Laboratories

JUST LIKE THE FORD EDSEL and A.M. Radio, Television as we know and repair it is about to become extinct. UHF, long the "Ugly Duckling" of the TV channel litter, will become the main medium for what remains of terrestrial TV broadcasting. Expect those over-the air stations to be heavier on "local" content and more diversified too, to compete with the 500-channel DBS satellite, cable-TV, and Internet alternatives. This may well lead to a renewed interest in better UHF reception, due in part to the all-or-nothing nature of digital broadcasting.

THIS MEANS an end to the annoying "snow" (ie: noise) visible on weak and marginal strength television signals, as well as other "gee-whiz" fixes that have long been in high demand by your customers. Ghosting will also be a thing of the past, as will co-channel interference "venetian blind" effects. But it also means that better UHF antennas will be needed by most viewers, if they want to take full advantage of the new technology.

THE EARLY DAYS of Television featured a small nationwide cadre of long-distance reception fanatics (DX-ers, the "DX" meaning "distances") who, like their counterparts in the early days of Radio, resorted to home-brewing equipment and going to pretty extraordinary lengths (such as all the way to the top of 70-foot towers, and sometimes, such as with Jack Darr, up to the tops of high-rises and hills just to view a picture, any picture, from that new TV station in the next city. Some found it to be quite an achievement to be able to view just a second or third area signal, such as the "upstart" Dumont and ABC affiliates that appeared and gave the fledgling TV broadcasters their first taste of competition. Finally, color came onto the scene, and the need for a good antenna started to become widely acknowledged.

Now, half a century later, the Federal Communications Commission has re-structured TV broadcasting to finally favor the UHF spectrum (just as Europe has done for two decades) and to use the available spectrum space far more effeciently than ever before. The challenge to the technician as well as the salesperson will be to convince the home electronics consumer of the importance of good reception equipment for UHF. It may not be so hard to convince them to part with their inexpensive bow-tie back-of-set antenna when they finally see what kind of picture is possible with the new technology.

Problem is, not even many technicians have bothered to learn what constitutes a "good" or "excellent" class TV reception antenna. Hence, we'd like to bring you up-to-date on UHF antennae and techniques for the coming change in off-air reception techniques.

NEXT: UHF ANTENNAS: THE GOOD, THE BAD, AND THE UGLY!

VHF-UHF DIGEST BACK ISSUES ARE AGAIN AVAILABLE!!!

$2.00 EACH

SPECIAL OFFER

Any six (6) available VUDs for $10.00....
any twelve (12) available VUDs for $20.00.

Single copies can be ordered at only $2.00 per issue, send check or money order (please do not send cash) payable to Worldwide TV-FM DX Association (U.S. funds only) to:

VUD BACK ISSUES
12284 NICE ROAD
AKRON NEW YORK 14001-9408
U.S.A.

WORLDWIDE TV-FM DX ASSOCIATION
P O BOX 17333 - ASHEVILLE, NC 28816 - U.S.A.

MEMBER

OPINIONS EXPRESSED IN THIS PUBLICATION ARE THOSE OF THE INDIVIDUAL CONTRIBUTOR AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE PUBLISHER OR BOARD OF DIRECTORS. WE RESERVE THE RIGHT TO EDIT MATERIAL TO MEET PUBLISHING STANDARDS. UNLESS PREVIOUSLY AGREED UPON IN WRITING, ALL MATERIAL SUBMITTED FOR PUBLICATION IN THE VHF-UHF DIGEST BECOMES THE PROPERTY OF W.T.F.D.A.

REPRODUCTION OF MATERIAL FROM THE VHF-UHF DIGEST WITHOUT PERMISSION OF W.T.F.D.A. IS PROHIBITED. INDIVIDUALS AND OTHER ORGANIZATIONS ARE GRANTED SUCH PERMISSION PROVIDING PROPER CREDIT IS GIVEN TO THE SOURCE.

ANNUAL DUES: (payable in U.S. funds) **$24/year: U.S. addresses**
$26/year* to Canada
$38/year* for airmail service to all other countries. (*Payable in U.S. funds)

BUFFALO, NY 142

first class mail

6/98
ALFRED A LAUN III K3ZO
P O BOX 97
TEMPLE HILLS MD 20757-0097

20757-0097